

Neuroscience

Research Products

BioLegend is ISO 9001:2008 and ISO 13485:2003 Certified

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02-0010-01



World-Class Quality | Superior Customer Support | Outstanding Value

Company Profile

BioLegend develops world-class, cutting-edge antibodies and reagents for biomedical research, manufactured in our state-of-the-art facility in San Diego, CA. Our mission is to accelerate research and discovery by providing the highest quality products at an outstanding value, along with superior customer service and technical support.

Our product expertise covers a diverse set of research areas including Immunology, Neuroscience, Cancer, Stem cells, and Cell Biology. BioLegend's reagents are supported by superior customer service and a quality management system that is certified for ISO 9001:2008 and ISO 13485:2003. Our aggressive product development program, through technology licensing, collaborations, and internal hybridoma development, produces strategic reagents for use in a variety of applications including:

- Flow cytometry and mass cytometry
- ELISA and ELISPOT
- Immunoprecipitation and ChIP
- Western blotting
- Immunofluorescence microscopy
- Immunohistochemistry
- *In vitro* and *in vivo* functional assays
- Quantitative Multiplexing

BioLegend offers the broadest selection of fluorochrome conjugates for multi-color flow cytometry. With an experienced biochemistry team, BioLegend is well positioned to offer a wide range of custom conjugation services to meet our customers' specific needs.

Our commitment to the research community is reflected in generous sponsorships of societies and meetings world-wide, our monthly travel award for junior investigators, and excellent bulk pricing. With iPhone/iPad apps, web tools, beautifully detailed posters, and new

reagents, we look forward to bringing more creative innovation to make your research legendary.

Incorporated in June 2002, BioLegend is located in San Diego, in the midst of one of the nation's largest and fastest growing biotechnology clusters.

Quality Management System

BioLegend in San Diego, CA operates under an ISO 9001:2008 and ISO 13485:2003 certified quality management system. This certifies an effective quality management system, based on documentation and continuous improvement, that meets international standards for medical device and reagent manufacturing.

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Unlocking the biology of the brain is a research imperative that has garnered much attention from public and private entities in recent years. From the National Football League to the U.S. Department of Defense, traumatic brain injury is being heavily investigated. In addition, the BRAIN Initiative and EU Initiative (humanbrainproject.eu) are focused on innovative research and technology that increases our understanding of the brain. Neurodegenerative diseases already constitute a public health and economic crisis, and as the population ages, the urgent need for better treatments for these diseases is intensified.

With the acquisition of the Covance antibody product portfolio, BioLegend signaled its commitment to enabling legendary discovery within the neuroscience research community. BioLegend is making further investments in the portfolio, becoming a leading provider of reagents known for quality and innovation, and helping scientists advance the understanding of brain biology, interrogate their pathways, and identify potential biomarkers that may improve the success of clinical programs for neurodegenerative diseases.

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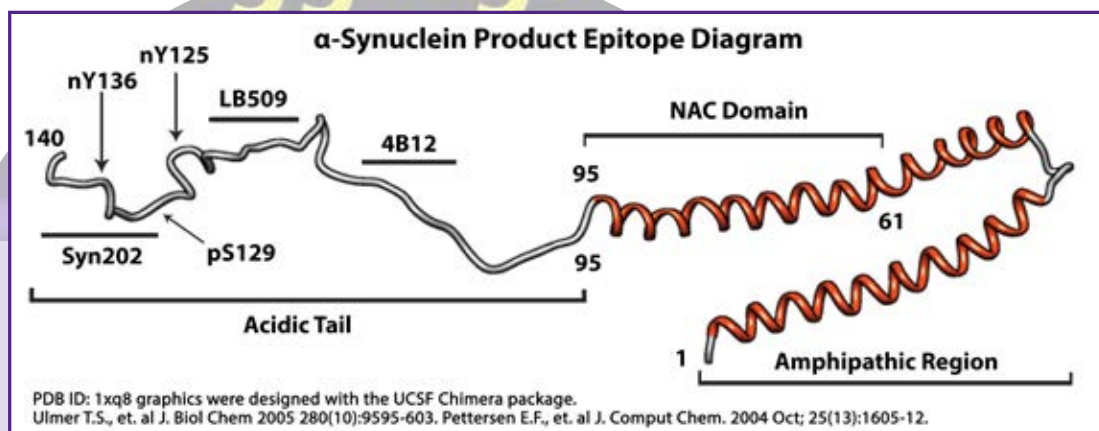
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Protein Misfolding & Aggregation

Protein aggregation is a hallmark of neurodegenerative disease pathology (e.g. beta-amyloid plaques in Alzheimer's disease, Lewy bodies in Parkinson's disease). Post-translational modification of key proteins is known to be a critical factor in the pathways that regulate formation, deposition and propagation of these aggregates. BioLegend offers a portfolio of products that set the standard for quality, allowing researchers to detect native and modified forms of key proteins in a wide range of applications.

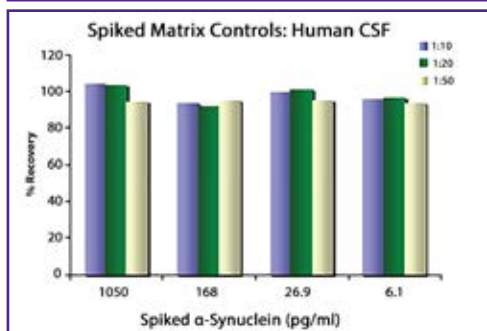
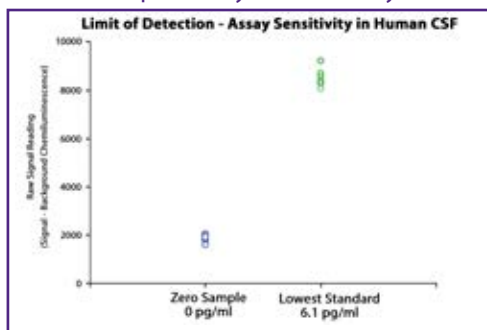
α -Synuclein

Alpha-synuclein (α -synuclein) is a small 140 amino acid (aa) protein that is abundantly expressed in the brain. α -synuclein is mainly localized at the pre-synaptic terminals, where it is thought to play a role in regulating dopamine release by maintaining a supply of synaptic vesicles in the pre-synapse. Under normal conditions, α -synuclein exists as a soluble protein, possibly in the form of a tetramer. Genetic mutations or toxic environmental factors may lead to abnormal aggregation of α -synuclein and formation of intracellular inclusions termed Lewy bodies (LBs). LBs are a pathological hallmark of several neurodegenerative disorders commonly called synucleinopathies, and are associated with neuronal cell dysfunction and death. Nuclear and mitochondrial localization of α -synuclein have also been reported, suggesting additional functions for this protein. α -synuclein demonstrates an inhibitory effect on Complex I, affecting the mitochondrial respiration chain. Differential mitochondrial expression levels of α -synuclein in various brain regions may be a potential factor leading to mitochondrial dysfunction, predisposing some neurons to degeneration reported in neurodegenerative disorders.



The primary structure of α -synuclein is divided into three distinct domains: 1) an amphipathic N-terminal region dominated by four 11-residue repeats including the consensus sequence KTKEGV (aa 1-60), 2) a central hydrophobic region, which includes the non-amyloid- β component (NAC) region, involved in protein aggregation (aa 61-95), and 3) a highly acidic and proline-rich region (aa 96-140).

Human α -Synuclein ELISA Kit:
A Fit-for-Purpose α -Synuclein Assay for Clinical Cohorts



BioLegend's α -synuclein ELISA kit features:

- Chemiluminescent detection
- Ultra sensitivity, as low as 6 pg/mL
- Highly reproducible results
- No cross-reactivity with β - or γ -Synucleins
- Compatibility with CSF, plasma, serum, saliva, whole blood, and cell lysate samples

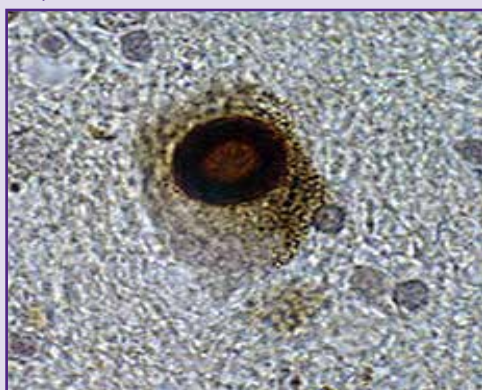
Antibodies to α -Synuclein

Specificity	Clone	Format	Size	Cat. No.
α -Synuclein	4D6	Purified	200 μ L, 500 μ L, 1 ml	834301, 834302, 834303
α -Synuclein, 103-108	4B12/Synuclein	Purified	200 μ L, 500 μ L, 1 ml	807801, 807802, 807803
α -Synuclein, 115-121	LB509	Purified	200 μ L, 500 μ L, 1 ml	807701, 807702, 807703
	LB509 (serum-free)	Purified	200 μ L	807704
α -Synuclein Phospho (Ser129)	P-syn/81A	Purified	100 μ L	825701
Synuclein- α/β , 130-140	Syn 202	Ascites	200 μ L	836601
α -Synuclein	Syn 204	Ascites	200 μ L	838201
α -Synuclein	Syn303	Purified	100 μ L	824301
α -Synuclein, Nitrated	Syn514	Purified	100 μ g	838903

Human α -Synuclein ELISA Kit

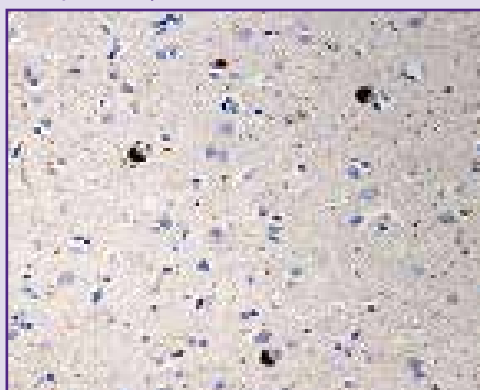
Description	Size	Cat. No.
LEGEND MAX™ Human α -Synuclein ELISA Kit with Pre-coated Plate	1 kit	844101

α -Synuclein



IHC staining of a substantia nigra Lewy body with anti- α -Synuclein antibody (clone 4D6) detected in human PD brain.

Phospho- α -Synuclein (Ser129)



IHC staining of human PD brain tissue with anti-phospho α -Synuclein antibody (clone P-syn/81A).

α -Synuclein, nitrated



IHC staining of human PD brain tissue with anti-nitrated α -Synuclein antibody (clone Syn514).

Amyloid Precursor Protein (APP)/Beta Amyloid

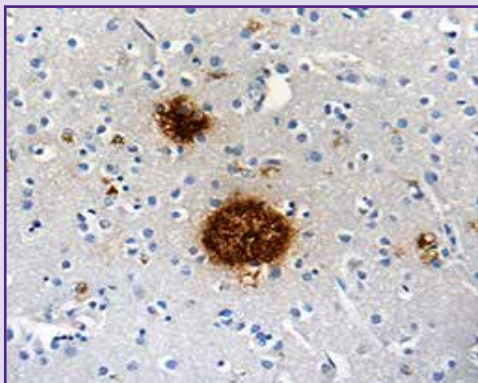
BioLegend offers highly specific reagents for:

- Intracellular, extracellular, and APP cleavage-specific antibodies
- Epitopes that enable discrimination between highly homologous A β peptides
- Broad epitopes that are universal to A β peptides
- Colorimetric ELISA kits for A β detection

Amyloid Precursor Protein (APP) is a type-I transmembrane protein that is highly expressed in neuronal tissues and enriched at synapses. APP is thought to function as a regulator of synapse formation, neurite growth, axonogenesis, and neural plasticity. APP undergoes sequential proteolytic processing through two distinct pathways: 1) the amyloidogenic pathway that generates Amyloid Beta (A β) peptides and 2) the non-amyloidogenic pathway that precludes the generation of A β . Cleavage of APP either by α -secretase, β -secretase or γ -secretase leads to generation and extracellular release of soluble APP peptides, sAPP- α and sAPP- β , and the retention of the corresponding membrane-anchored C-terminal fragments, C80, C83 and C99. Alternatively, presenilin/nicastrin-mediated γ -secretase processing of C99 releases A β 40 and A β 42, major components of amyloid plaques, and the cytotoxic C-terminal fragments. Subsequent processing of C80 and C83 by γ -secretase yields P3 peptides.

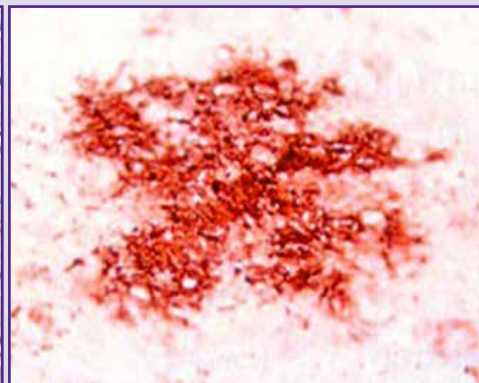
Learn more at: [biolegend.com/amyloid_precursor_protein](https://www.biolegend.com/amyloid_precursor_protein)

β -Amyloid, 1-42



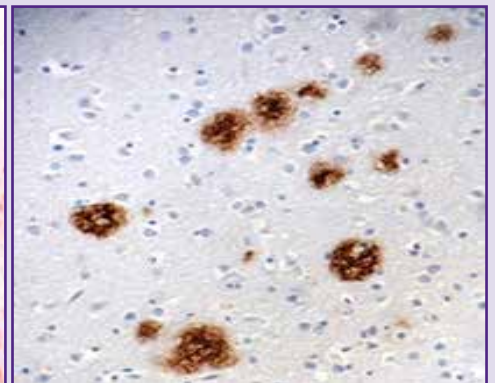
IHC staining of amyloid beta plaques with anti- β -Amyloid antibody (clone 12F4) detected in formalin-fixed paraffin-embedded human AD brain.

β -Amyloid, 1-16

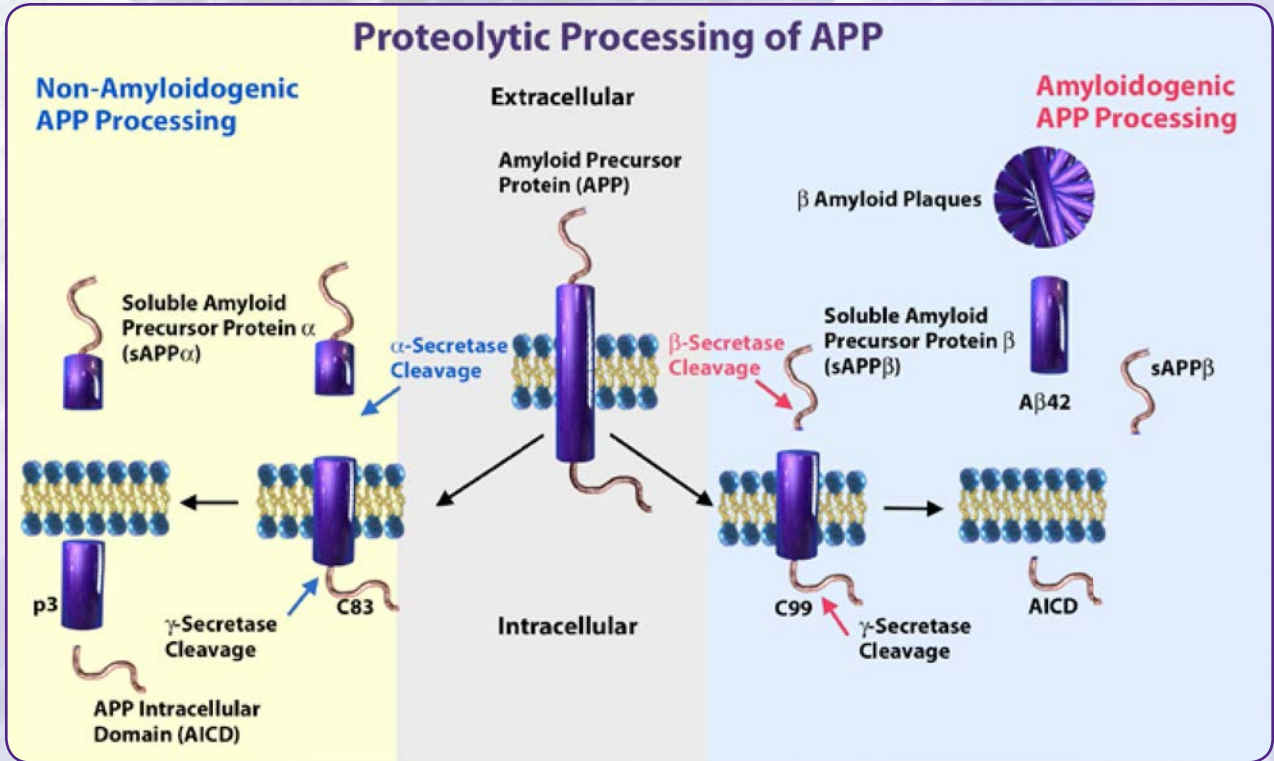


IHC staining of amyloid beta plaque with anti- β -Amyloid antibody (clone 6E10) detected in brain tissue section of APP transgenic mice.

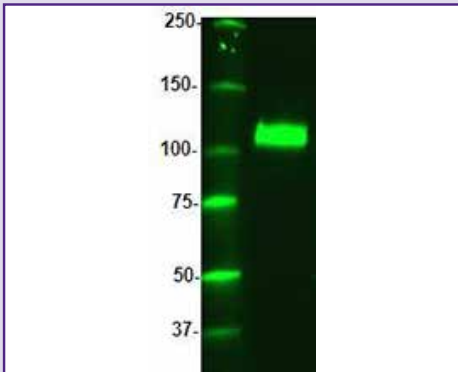
Pyroglutamyl β -Amyloid



IHC staining of amyloid beta plaques detected in formalin-fixed paraffin-embedded human AD brain tissue with anti-Pyroglutamyl β -Amyloid antibody (clone 337.48).



β -Amyloid, 17-24



Western blot analysis of anti- β -Amyloid antibody (clone 4G8) demonstrating reactivity towards full-length APP:

Ln 1: Molecular weight marker; Ln 2: Recombinant human APP770 protein

β -Amyloid, 17-24



IHC staining amyloid beta in human cerebellum tissue with anti- β -Amyloid antibody (clone 4G8).

Antibodies to Amyloid Precursor Protein & Beta Amyloid Peptides

Specificity	Clone	Format	Size	Cat. No.
B-Amyloid	Poly18058	Purified	50 µg	805801
		Biotin	50 µg	805803
B-Amyloid	Poly18268	Purified	200 µL	826801
B-Amyloid, 1-8	1E11	Purified	200 µL, 1ml	805201, 805203
B-Amyloid, 1-8	2H4	Purified	200 µL	805301
B-Amyloid, 1-10	20.1	Purified	200 µL	806201
B-Amyloid, 1-11	NAB 228	Ascites	200 µL	835101
B-Amyloid, 1-16	6E10	Purified	200 µL, 500 µL, 1ml	803001, 803002, 803003
		LEAF™	1 ml	803006
		Ascites	200 µL, 500 µL, 1 ml	803015, 803016, 803017
		Alexa Fluor® 488	200 µL	803013
		Biotin	200 µL, 500 µL, 1 ml	803007, 803008, 803008
		HRP	400 µL	803011
B-Amyloid, 1-16	Poly8029	Purified	50 µg	802901
B-Amyloid, 1-16	M3.2	Purified	200 µL, 1 ml	805701, 805702
		Biotin	200 µL, 1 ml	805703, 805704
B-Amyloid, 17.24	4G8	Purified	200 µL, 500 µL, 1 ml	800701, 800702, 800703
		Ascites	200 µL, 500 µL, 1ml	800709, 800710, 800711
		Biotin	200 µL, 500 µL, 1ml	800704, 800705, 800706
		HRP	200 µL	800707
β-Amyloid, 1-38	7-14-04	Purified	50 µg	808601
		Biotin	50 µL	808603
β-Amyloid, x-38	BA1-13	Purified	50 µg	825101
β-Amyloid, 1-40	11A50-B10	Purified	200 µL, 500 µL, 1 ml	805401, 805402, 805403
		Biotin	100 µL	805404
		HRP	200 µL	805407
β-Amyloid, x-40	29-6	Purified	100 µL	825201
β-Amyloid, x-40	139-5	Purified	50 µg	805901
		Biotin	50 µL	805903
β-Amyloid, 1-42	12F4	Purified	200 µL, 500 µL, 1 ml	805501, 805502, 805503
		Biotin	200 µL	805504
		HRP	200 µL	805507
β-Amyloid, x-42	BA3-9	Purified	50 µg	825301
β-Amyloid, x-42	1/11/03	Purified	50 µg	812101
		Biotin	50 µL	812103
β-Amyloid, 1-43	9C4/Amyloid	Purified	200 µL	805601
		Biotin	200 µL	805604
β-Amyloid Pyroglutamy (GLU2)	337.48	Purified	100 µL	822301
Amyloid Fibril (pan reactive)	B10AP	Purified	50 µL	812201
APP	LN 27	Purified	200 µL	800901
APP, 573-596	IG6	Purified	200 µL	806001
		Biotin	200 µL	806004
APP, 61-77	D3B10	Purified	200 µL	806101
sAPPα	Poly8135	Purified	50 µg	813501
sAPPβ	Poly8134	Purified	50 µg	813401

Antibodies to Gamma Secretase Cleavage Fragments

Specificity	Clone	Format	Size	Cat. No.
AICD	Poly8119	Purified	50 µg	811901
APP C-Terminal Fragment	Poly8250	Purified	50 µg	825001
APP C-Terminal Fragment	C1/6.1	Purified	200 µL, 1 ml	802801, 802802

Antibodies to Secretase Proteins

Specificity	Clone	Format	Size	Cat. No.
Aph-1a, 245-265, C-terminus	Poly18231	Purified	100 µL	823101
BACE1, C-terminus	Poly8401	Serum	100 µL	840101
BACE1, C-terminus	Poly8402	Serum	100 µL	840201
CD156c (ADAM10)	SHM14	Purified	100 µg	352702
		PE	25 tests, 100 tests	352703, 352704
		APC	25 tests, 100 tests	352705, 352706
Presenilin 1, N-terminus	NT1	Purified	200 µL	823401
Presenilin 1, N-terminus	Poly18111	Purified	100 µL	811101
Presenilin 1, 21-80, C-terminus	24-4B5	Purified	200 µL	823301
Presenilin 1, 260-378 (Loop domain)	34-4C3	Purified	200 µL	823501
Presenilin 2	PS2	Tissue Culture Supernatant	1 ml	814201

APP/Beta Amyloid Proteins & Peptides

Description	Size	Cat. No.
rHuman APP751	25 µg	842601
rHuman APP770	25 µg	843201
rHuman sAPPbeta (APP751 isoform)	20 µg	843501
rHuman β-Amyloid Peptide (1-40)	1 mg	843701
rHuman β-Amyloid Peptide (1-42)	1 mg	843801
rHuman β-Amyloid Scrambled Peptide (1-42)	500 µg	844001

Beta Amyloid ELISA Kits

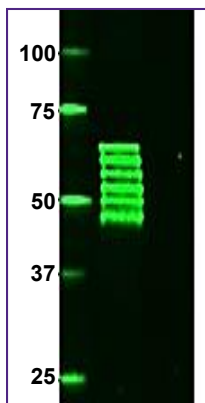
Description	Size	Cat. No.
β-Amyloid x-40 ELISA Kit (TMB)	1 kit	842301
β-Amyloid x-42 ELISA Kit (TMB)	1 kit	842401

Tau

Tau belongs to a family of neuronal proteins that bind to microtubules (the neuron's transport system), stabilizing and their formation and maintenance. In the human brain, Tau protein exists as 6 isoforms that are produced by alternative splicing of a single gene called MAPT (Microtubule-Associated Protein Tau). Tau protein undergoes a variety of post-translational modifications (PTMs) which serve to regulate its function. These modifications include phosphorylation, glycosylation, glycation, prolyl-isomerization, cleavage or truncation, nitration, polyamination, ubiquitination, sumoylation, oxidation and aggregation. Differential post-translational modification of tau may affect its binding to other proteins and regulate its subcellular localization. Research interest in tau proteins began to grow when tangled forms of these proteins were found to make up the paired helical filaments in the brains of Alzheimer's disease (AD) patients.



Tau Phosphorylation has been extensively studied. Differential phosphorylation of tau impacts its biological function and pathogenic roles. The normal level of tau phosphorylation is a consequence of dynamic regulation of tau kinases and tau phosphatases. The major tau kinases include glycogen-synthase kinase-3β (GSK-3β), cyclin-dependent protein kinase 5 (cdk5), cAMP-dependent protein kinase (PKA), and stress-activated protein kinases. Among the protein phosphatases, PP2A is known to be an important one. Despite extensive studies, the causes leading to abnormal hyperphosphorylation of tau are still not fully understood. Hyperphosphorylation of tau protein reduces its binding affinity to microtubules, thus disrupting neuronal structural organization and maintenance. Excess levels of unbound tau protein leads to abnormal aggregation of tau, formation of insoluble fibrils, and intracellular neurofibrillary tangles observed in AD and other tauopathies. In addition to hyperphosphorylation, alterations of tau itself, such as mutations in the MAPT gene, play a role in its aggregation.



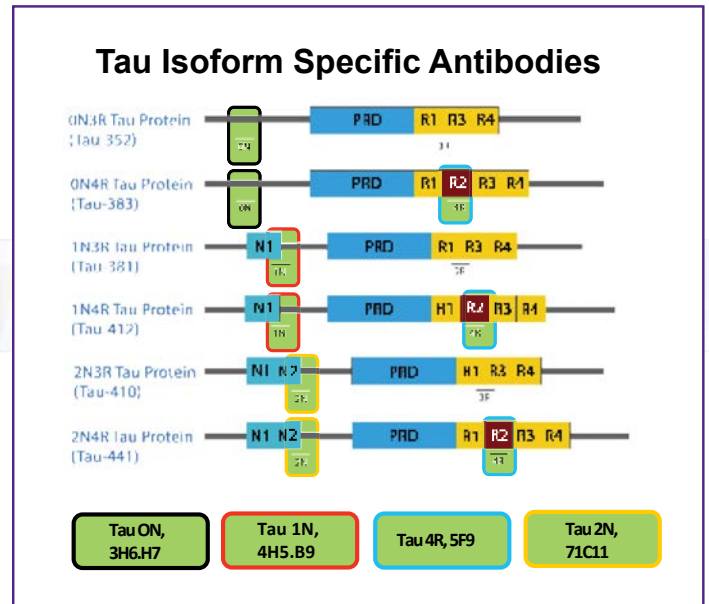
Western blot analysis demonstrating the specificity of anti-Tau antibody (clone 77E9). This clone recognizes all 6 isoforms of the human Tau protein.

Ln 1: MW marker, Ln 2: Recombinant human Tau protein ladder, Ln 3: HeLa cell lysate (negative control).

Isoform-Specific Tau Antibodies

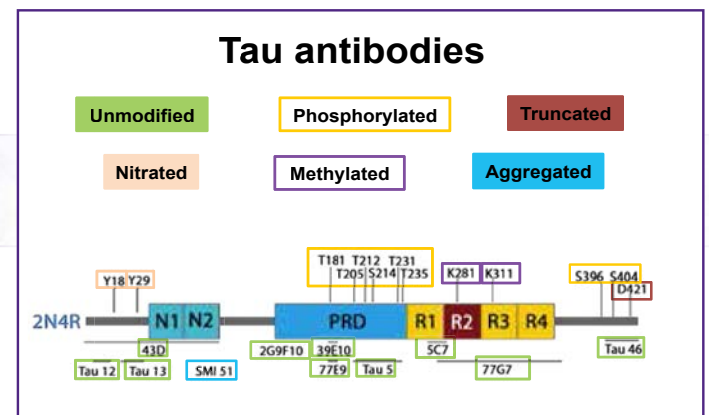
The six isoforms of tau are the products of alternative splicing of exons 2, 3, and 10 of the MAPT gene that in humans is known as MAPT. These isoforms are designated as 352, 381, 383, 410, 412 and 441. They differ from each other by the presence or absence of one or two N-terminal inserts (N1, N2), and by the presence of either three repeats (R1, R3, R4) or four C-terminal repeats (R1, R2, R3 and R4). The C-terminal repeat domains are believed to be important for microtubule binding as well as aggregation of tau into paired helical filaments.

BioLegend offers isoform-specific Tau antibodies that are suitable for IHC staining and western blotting.



Pan-Isoform & Modified Tau Antibodies

BioLegend provides a wide selection of antibodies that recognize all six Tau isoforms (pan-isoform). These antibodies can recognize the unmodified, modified (methylated, nitrated, phosphorylated), truncated, or aggregated forms of these isoforms.



Learn more at: [biolegend.com/tau](https://www.biolegend.com/tau)

Isoform-Specific Antibodies to Tau

Specificity	Clone	Format	Size	Cat. No.
0N Tau	3H6.H7	Purified	100 µL	823801
1N Tau	4H5.B9	Purified	100 µL	823901
2N Tau	71C11	Purified	100 µL	816801
4R Tau	5F9	Purified	100 µL	823701

Antibodies to Unmodified Tau

Specificity	Clone	Format	Size	Cat. No.
Tau	Poly8296	Purified	50 µg	829601
Tau, 6-18	Tau 12	Purified	100 µL	806501
Tau, 20-35	TAU-13	Ascites	500 µL	835201
Tau, 1-100	43D	Purified	100 µL	816601
Tau, 157-168	2G9.F10	Purified	100 µL	824601
Tau, 185-195	39E10	Purified	100 µL	814301
	77E10	Purified	100 µL	814401
Tau, 210-230	Tau 5	Purified	200 µL	806401
Tau, 267-278	5C7	Purified	100 µL	814501
Tau, 316-355	77G7	Purified	100 µL	816701
Tau, 404-421	Tau46	Purified	200 µL	806601

Antibodies to Modified Tau

Specificity	Clone	Format	Size	Cat. No.
Tau, Dimethyl (Lys281)	1C9.G6	Purified	100 µL	829601
Tau, Dimethyl (Lys311)	7G5.F4	Purified	100 µL	806501
Tau, Nitrated (Tyr18)	Tau-nY18	Purified	100 µL	835201
Tau, Nitrated (Tyr29)	Tau-nY29	Purified	100 µL	816601
Tau, Phospho (Ser214)	Poly8071	Purified	50 µg	824601
Tau, Phospho (Ser235)	Poly8073	Purified	50 µg	814301
Tau, Phospho (Ser396)	PHF-13	Purified	100 µL	814401
	Poly8074	Purified	50 µg	806401
Tau, Phospho (Ser404)	Poly8075	Purified	50 µg	814501
Tau, Phospho (Thr181)	Poly8068	Purified	100 µL	806801
Tau, Phospho (Thr205)	Poly8069	Purified	50 µg	806901
Tau, Phospho (Thr212)	Poly8070	Purified	50 µg	807001
Tau, Phospho (Thr231)	PHF-6	Purified	100 µL	828901
	Poly8072	Purified	50 µg	807201

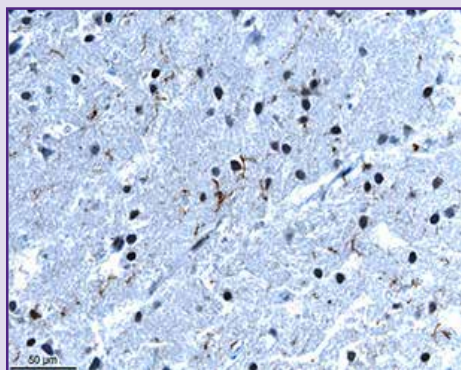
Antibodies to Truncated and Aggregated Tau

Specificity	Clone	Format	Size	Cat. No.
Tau, x-421	C3	Purified	200 µL	806301
Tau, 95-108 (PHF)	SMI 51	Ascites	100 µL	836101
Tau	Tau 2	Purified	100 µL	806701

Protein Misfolding and Aggregation-Other Related Antibodies

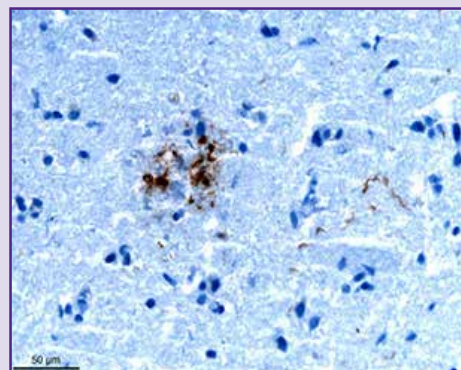
Specificity	Clone	Format	Size	Cat. No.
CD156c (ADAM10)	SHM14	APC	25 tests 100 tests	352705 352706
		PE	25 tests 100 tests	352703 352704
		Purified	100 µg	352702
CD230 (Prion)	3F4	APC	25 tests 100 tests	800315 800316
		Ascites	200 µL	800307
		Biotin	200 µg 500 µg 1 mg	800304 800305 800306
		FITC	25 tests 100 tests	800313 800314
		PE	25 tests 100 tests	800317 800318
CD230 (Prion)	6D11	Purified	100 µL 250 µL 500 µL	808001 808002 808003
		Purified	200 µL	807901
GAPDH	Poly6314	Purified	125 µL (5 Western blots) 500 µL (20 Western blots)	631401 631402
		Direct-Blot™	100 µL (20 Western blots)	649203
GAPDH	FF26A/F9	Purified	25 µg 100 µg	649201 649202
		Tissue Culture Supernatant	200 µL	919501
IGBP-1	5F6	Purified	100 µL	828601
I1PP2A	5A2	Purified	100 µL	816901
I1PP2A	5A10	Purified	100 µL	817001
I2PP2A	3F2	Purified	100 µL	817101
PME-1	8A6-F8	Purified	100 µL	820901
PME-1	20G3SC	Purified	25 µg 100 µg	652901 652902
PP2AC	7A6/PP2AC	Purified	100 µL	828501
PP2AC (Leu309)	1D7	Purified	100 µL	824101
PP2AC Methyl (Leu 309)	2A10	Purified	100 µL	828801
PP2Aα	5H4/PP2Aα	Ascites	200 µL	839501
PPP2R1A	6G3	Purified	100 µL	824901
PPP2R1A	6F9	Purified	100 µL	829101
PPP2R2A	2G9	Purified	100 µL	831301
PPP2R4 (PTPA)	5G3	Purified	100 µL	824401
PPP2R5D	H5-D12	Purified	100 µL	828401
PPP2R5E	5A5-F3	Purified	100 µL	815401
TDP43	TDP2H4	Purified	100 µL	808301
TDP43 Phospho (Ser409/410)	1D3/TDP-43	Purified	100 µL	829901

Phospho-Tau (Thr 181)



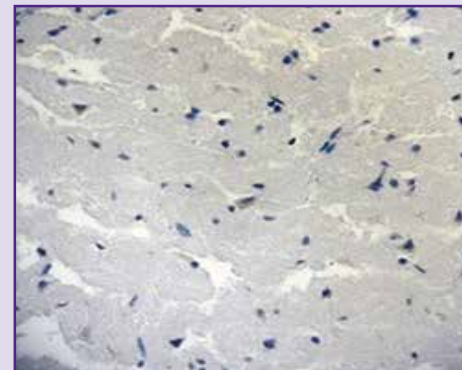
IHC staining of axons on formalin-fixed paraffin-embedded human AD brain tissue using anti-phospho-Tau antibody (Poly8068).

Phospho-Tau (Thr 205)



IHC staining of dystrophic neurites surrounding an amyloid plaque on formalin-fixed paraffin-embedded human AD brain tissue using anti-phospho-Tau antibody (Poly8069).

Methylated Tau (Lys 281)



IHC staining on formalin-fixed paraffin-embedded human AD brain tissue stained with anti-methylated Tau antibody (clone 1C9.G6).

Neuroinflammation

Neuroinflammation represents the response of the central nervous system to perturbations of homeostasis. Inflammatory responses may result from a variety of insults, including trauma and infection. Evidence of a pro-inflammatory state is a finding typical of most CNS diseases including neurodegeneration. BioLegend offers a complete portfolio of products to interrogate inflammatory pathways, e.g. innate immunity, cytokines.

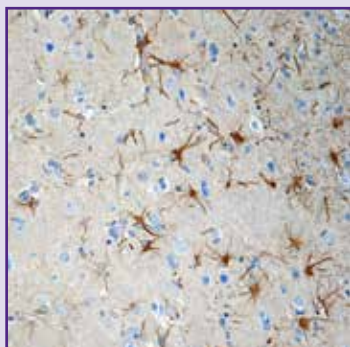
Neuroinflammation Antibodies

Specificity	Clone	Format	Size	Cat. No.
Annexin A1	74/3	Purified	100 µL	831601
Apo-D	8CD6	Purified	200 µL 500 µL 1 ml	826503 826504 826505
Arginase I	14D2C43	PE	25 tests 100 tests	369703 369704
Arginase I		Purified	25 µg 100 µg	369701 369702
Arginase I	O94E6/ARG1	Purified	25 µg 100 µg	678801 678802
Blood Group Antigen Precursor (BG1)	K21	Purified	25 µg 100 µg	932101 932102
C3a/C3a(desArg)/C3	K13/16	LEAF™	50 µg 500 µg	518103 518104
C3a/C3a(desArg)/C3		Purified	50 µg 500 µg	518101 518102
C3a/C3a(desArg)/C3	D17/1	Biotin	50 µg 500 µg	518001 518002
C3AR	hC3aRZ8	APC	25 tests 100 tests	345805 345806
		PE	100 tests	345804
		Purified	100 µg	345802
C3b/iC3b	3E7/C3b	Purified	100 µg	846102
C5a/C5a(desArg)	C17/5	Purified	50 µg 500 µg	518201 518202
C5a/C5a(desArg)/C5	G25/2	Biotin	50 µg 500 µg	518305 518306
		LEAF™	500 µg	518304
C5L2	1D9-M12	APC	25 tests 100 tests	342405 342406
		PE	25 tests 100 tests	342403 342404
		Purified	100 µg	342402

Specificity	Clone	Format	Size	Cat. No.
CCL2 (MCP-1)	5D3-F7	Biotin	50 µg 500 µg	502608 502609
		LEAF™	500 µg	502607
		PE	100 tests	502604
		Purified	50 µg 500 µg	502601 502602
CCL2 (MCP-1)	4E2/MCP	Biotin	500 µg	506002
		Purified	500 µg	506004
CCL2 (MCP-1)	2H5	APC	25 µg 100 µg	505909 505910
		Biotin	50 µg 500 µg	505907 505908
		LEAF™	50 µg 500 µg	505905 505906
		PE	25 µg 100 µg	505903 505904
		Purified	50 µg 500 µg	505901 505902
CCL4 (MIP-1β)	W15138A	Purified	100 µg	686202
CCL5 (RANTES)	J047C5	Purified	500 µg	526402
CCL5 (RANTES)	Poly5197	Biotin	50 µg	519703
CCL5 (RANTES)	2E9/CCL5	PE	25 µg 100 µg	149103 149104
CCL8 (MCP-2)	L3715B6	Purified	50 µg 500 µg	528601 528602
CCL8 (MCP-2)	Poly5210	Biotin	50 µg	521003
CCL 11	16D10A40	Purified	500 µg	656701
CCL 11	L402H11	Purified	500 µg	660402
CD11a	I21/7	Purified	100 µL	830401
CD11a	TS2/4	FITC	100 tests	350604
		PE	25 tests 100 tests	350605 350606
		PerCP	100 tests	350608
		Purified	100 µg	350602
CD11a	HI111	Alexa Fluor® 488	100 tests	301216
		Alexa Fluor® 594	100 µg	301222
		Alexa Fluor® 647	100 tests	301218
		APC	100 tests	301212
		Biotin	100 µg	301204
		FITC	100 tests	301206
		LEAF™	50 µg 500 µg	301213 301214
		PE	25 tests 100 tests	301207 301208
		PE/Cy5	100 tests	301210
		PE/Cy7	25 tests 100 tests	301219 301220
		Purified	100 µg	301202
		Purified (MaxPar® Ready)	100 µg	301223
CD11a	WT.1	Purified	100 µg	201901

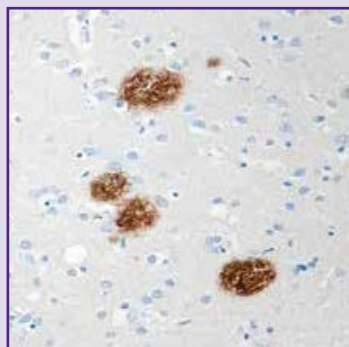
Learn more at: biolegend.com/neuroinflammation

CX3CR1



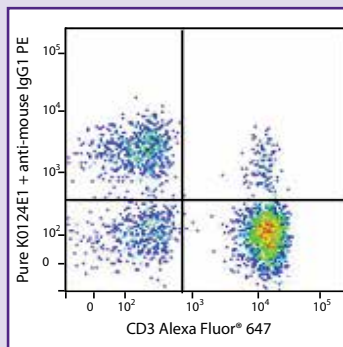
Staining of CX3CR1 (clone 8E10.D9) on formalin-fixed, paraffin-embedded human brain.

Apo E4



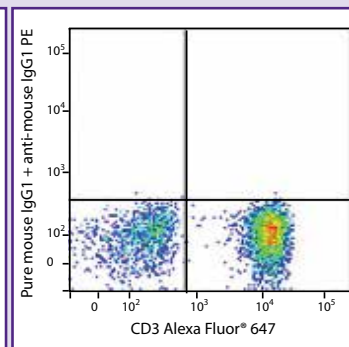
Strong staining of Apo E4-associated plaques on formalin-fixed, paraffin-embedded human Alzheimer's brain tissue using clone 5A9.

CD3 and CX3CR1



Human peripheral blood lymphocytes were stained with anti-human CD3 (clone HIT3a) Alexa Fluor® 647 and purified anti-human CX3CR1 (clone K0124E1, left) or mouse IgG1, κ isotype control (right), followed by anti-mouse IgG1 PE.

Isotype Control



Neuroinflammation Antibodies (Continued)

Specificity	Clone	Format	Size	Cat. No.
CD11a	M17/4	Alexa Fluor® 488	25 µg	101111
		Alexa Fluor® 647	25 µg 100 µg	101113 101114
		APC	25 µg 100 µg	101119 101120
		Biotin	50 µg	101103
		FITC	500 µg	101106
		LEAF™	50 µg 500 µg 1 mg	101109 101110 101115
		PE	50 µg	101107
		PE/Cy7	25 µg 100 µg	101121 101122
		PerCP/Cy5.5	25 µg 100 µg	101123 101124
		Purified	50 µg	101101
		Ultra-LEAF™	1 mg	101118
		Alexa Fluor® 594	100 µg	101010
		FITC	50 µg 500 µg	101005 101006
		PE	50 µg 200 µg	101007 101008
Purified	500 µg	101002		
CD14	63D3	Alexa Fluor® 700	25 tests 100 tests	367113 367114
		APC	25 tests 100 tests	367117 367118
		APC/Cy7	25 tests 100 tests	367107 367108
		APC/Fire™ 750	25 tests 100 tests	367119 367120
		Biotin	25 µg 100 µg	367105 367106
		FITC	25 tests 100 tests	367115 367116
		PE	25 tests 100 tests	367103 367104
		PE/Cy7	25 tests 100 tests	367111 367112
		PerCP/Cy5.5	25 tests 100 tests	367109 367110
		Purified	25 µg 100 µg	367101 367102
		Alexa Fluor® 488	100 tests	325610
		Alexa Fluor® 594	100 µg	325630
		Alexa Fluor® 647	25 tests 100 tests	325611 325612
		Alexa Fluor® 700	100 µg	325614
APC	25 tests 100 tests	325607 325608		
APC/Cy7	25 tests 100 tests	325619 325620		
Biotin	25 µg 100 µg	325623 325624		
Brilliant Violet 421™	25 tests 100 tests	325627 325628		
FITC	25 tests 100 tests	325603 325604		
Pacific Blue™	25 µg 100 µg	325615 325616		
PE	25 tests 100 tests	325605 325606		
PE/Cy7	25 tests 100 tests	325617 325618		
PE/Dazzle™ 594	25 tests 100 tests	325633 325634		
PerCP	25 tests 100 tests	325631 325632		
PerCP/Cy5.5	25 tests 100 tests	325621 325622		
Purified	100 µg	325602		
CD14	M5E2	Alexa Fluor® 488	100 tests 25 tests	301811 301817
		Alexa Fluor® 647	100 tests 25 tests	301812 301818
		Alexa Fluor® 700	100 µg	301822
		APC	25 tests 100 tests	301807 301808
		APC/Cy7	25 tests 100 tests	301819 301820
		APC/Fire™ 750	25 tests 100 tests	301853 301854
		Biotin	100 µg	301826
		Brilliant Violet 421™	25 tests 100 tests	301829 301830
		Brilliant Violet 510™	25 tests 100 tests	301841 301842
		Brilliant Violet 570™	25 tests 100 tests	301831 301832
		Brilliant Violet 605™	25 tests 100 tests	301833 301834
		Brilliant Violet 650™	25 tests 100 tests	301835 301836
		Brilliant Violet 711™	25 tests 100 tests	301837 301838
		Brilliant Violet 785™	25 tests 100 tests	301839 301840
		FITC	25 tests 100 tests	301803 301804
		LEAF™	50 µg 500 µg	301809 301810
		Pacific Blue™	100 µg 25 µg 100 tests	301815 301816 301828
		PE	25 tests 100 tests 100 µg	301805 301806 301850
		PE/Cy7	25 tests 100 tests	301813 301814

Specificity	Clone	Format	Size	Cat. No.		
		PE/Dazzle™ 594	25 tests 100 tests	301851 301852		
		PerCP	25 tests 100 tests	301847 301848		
		PerCP/Cy5.5	25 tests 100 tests	301823 301824		
		Purified	25 µg 100 µg	301801 301802		
		Purified (MaxPar® Ready)	100 µg	301843		
		Ultra-LEAF™	500 µg	301846		
		Purified	25 µg 100 µg	150101 150102		
		Ultra-LEAF™	50 µg 500 µg	150103 150104		
		CD14	Sa14-2	APC	25 µg 100 µg	123311 123312
				APC/Cy7	25 µg 100 µg	123317 123318
				Biotin	50 µg 500 µg	123305 123306
				Brilliant Violet 510™	50 µg	123323
				FITC	50 µg 500 µg	123307 123308
				PE	50 µg 200 µg	123309 123310
PE/Cy7	25 µg 100 µg			123315 123316		
PerCP/Cy5.5	25 µg 100 µg			123313 123314		
Purified	500 µg			123302		
Purified (MaxPar® Ready)	100 µg			123321		
CD18	1B4/CD18			Purified	100 µL	831401
				Purified	100 µL	830501
CD21	Bu32			APC	25 tests 100 tests	354905 354906
				Biotin	50 µg	354913
				FITC	25 tests 100 tests	354909 354910
				PE	25 tests 100 tests	354903 354904
		PE/Cy7	25 tests 100 tests	354911 354912		
		PerCP/Cy5.5	25 tests 100 tests	354907 354908		
		Purified	100 µg	354902		
		CD21/CD35 (CR2/CR1)	7E10	Alexa Fluor® 647	25 µg 100 µg	123423 123424
				APC	25 µg 100 µg	123411 123412
				APC/Cy7	25 µg 100 µg	123417 123418
				Biotin	50 µg 500 µg	123405 123406
				Brilliant Violet 421™	125 µL	123421
				FITC	50 µg 500 µg	123407 123408
				LEAF™	500 µg	123404
Pacific Blue™	25 µg 100 µg			123413 123414		
PE	50 µg 200 µg			123409 123410		
PE/Cy7	25 µg 100 µg			123419 123420		
PerCP/Cy5.5	25 µg 100 µg			123415 123416		
Alexa Fluor® 488	25 tests 100 tests			303109 303110		
Alexa Fluor® 594	100 µg			303126		
Alexa Fluor® 647	25 tests 100 tests			303111 303112		
Alexa Fluor® 700	25 tests 100 tests	303133 303134				
APC	25 tests 100 tests	303115 303116				
APC/Cy7	25 tests 100 tests	303119 303120				
Brilliant Violet 421™	25 tests 100 tests	303123 303124				
Brilliant Violet 605™	25 tests 100 tests	303121 303122				
FITC	25 tests 100 tests	303103 303104				
LEAF™	500 µg	303108				
Pacific Blue™	25 µg 100 µg	303113 303114				
PE	25 tests 100 tests	303105 303106				
PE/Cy7	25 tests 100 tests	303117 303118				
PE/Dazzle™ 594	25 tests 100 tests	303129 303130				
PerCP/Cy5.5	25 tests 100 tests	303131 303132				
Purified	25 µg 100 µg	303101 303102				
Purified (MaxPar® Ready)	100 µg	303127				
CD31	MEC13.3	Alexa Fluor® 488	25 µg 100 µg	102513 102514		
		Alexa Fluor® 594	100 µg	102520		
		Alexa Fluor® 647	25 µg 100 µg	102515 102516		
		APC	25 µg 100 µg	102509 102510		
		Biotin	50 µg 500 µg	102503 102504		
		FITC	500 µg	102506		
		LEAF™	50 µg 500 µg	102511 102512		
		PE	50 µg 200 µg	102507 102508		
		PE/Cy7	25 µg 100 µg	102523 102524		
		PerCP/Cy5.5	100 µg	102522		

Specificity	Clone	Format	Size	Cat. No.	Specificity	Clone	Format	Size	Cat. No.			
CD31	390	Purified	50 µg 500 µg	102501 102502	CD34	HM34	PE	25 tests 100 tests	343505 343506			
		Alexa Fluor® 488	25 µg 100 µg	102413 102414			PE/Cy7	25 tests 100 tests	343515 343516			
		Alexa Fluor® 594	100 µg	102432			PE/Dazzle™ 594	25 tests 100 tests	343533 343534			
		Alexa Fluor® 647	25 µg 100 µg	102415 102416			PerCP	25 tests 100 tests	343519 343520			
		APC	25 µg 100 µg	102409 102410			PerCP/Cy5.5	25 tests 100 tests	343521 343522			
		APC/Fire™ 750	25 µg 100 µg	102433 102434			Purified	25 µg 100 µg	343501 343502			
		Biotin	500 µg	102404			Purified (MaxPar® Ready)	100 µg	343531			
		Brilliant Violet 421™	125 µL	102423			Alexa Fluor® 647	25 µg 100 µg	128605 128606			
		Brilliant Violet 605™	50 µg	102427			APC	25 µg 100 µg	128611 128612			
		FITC	50 µg 500 µg	102405 102406			Biotin	50 µg 500 µg	128603 128604			
		LEAF™	500 µg	102412			PE	50 µg 200 µg	128609 128610			
		Pacific Blue™	25 µg 100 µg	102421 102422			PerCP/Cy5.5	25 µg 100 µg	128607 128608			
		PE	50 µg 200 µg	102407 102408			Purified	50 µg	128601			
		PE/Cy7	25 µg 100 µg	102417 102418			Alexa Fluor® 647	100 µg	119314			
PE/Dazzle™ 594	25 µg 100 µg	102429 102430	APC	25 µg 100 µg	119309 119310							
PerCP/Cy5.5	25 µg 100 µg	102419 102420	Biotin	50 µg 500 µg	119303 119304							
Purified	50 µg 500 µg	102401 102402	Brilliant Violet 421™	125 µL	119321							
Purified (MaxPar® Ready)	100 µg	102425	PE	50 µg 200 µg	119307 119308							
CD31 (PECAM-1)	P2B1	Ascites	100 µL	910003	PE/Cy5	25 µg 100 µg	119311 119312	CD35	E11	FITC	100 tests	333404
		Purified	100 µg	910005	Purified	100 µg	333402					
CD33	P67.6	APC	25 tests 100 tests	366605 366606	CD36	5-271	APC	25 tests 100 tests	336207 336208			
		APC/Cy7	25 tests 100 tests	366613 366614			APC/Cy7	25 tests 100 tests	336213 336214			
		Brilliant Violet 510™	25 tests 100 tests	366609 366610			APC/Fire™ 750	25 tests 100 tests	336219 336220			
		Brilliant Violet 605™	25 tests 100 tests	366611 366612			Biotin	100 µg	336218			
		FITC	25 tests 100 tests	366619 366620			FITC	25 tests 100 tests	336203 336204			
		PE	25 tests 100 tests	366607 366608			PE	25 tests 100 tests	336205 336206			
		PE/Cy7	25 tests 100 tests	366617 366618			Purified	100 µg	336202			
		PerCP/Cy5.5	25 tests 100 tests	366615 366616			Purified (MaxPar® Ready)	100 µg	336215			
		Purified	25 µg 100 µg	366601 366602			CD46	MEM-258	FITC	100 tests	315304	
		APC	25 tests 100 tests	303407 303408					CD46	TRA-2-10	APC	25 tests
		Brilliant Violet 421™	25 tests 100 tests	303415 303416			PE	25 tests 100 tests			352401 352402	
		Brilliant Violet 510™	25 tests 100 tests	303421 303422			PE/Cy7	25 tests 100 tests	352407 352408			
		Brilliant Violet 570™	25 tests	303417			Purified	25 µg 100 µg	352403 352404			
		Brilliant Violet 711™	25 tests 100 tests	303423 303424			APC	25 tests 100 tests	311311 311312			
LEAF™	500 µg	303410	Biotin	100 µg	311304							
PE	25 tests 100 tests	303403 303404	FITC	25 tests 100 tests	311305 311306							
PE/Cy5	100 tests	303406	PE	100 tests	311308							
PerCP/Cy5.5	25 tests 100 tests	303413 303414	PE/Cy7	100 tests	311314							
Purified	100 µg	303402	PerCP/Cy5.5	25 tests 100 tests	311315 311316							
Purified (MaxPar® Ready)	100 µg	303419	Purified	25 µg 100 µg	311301 311302							
CD33	HIM3-4	FITC	25 tests 100 tests	303303 303304	CD55 (DAF)	RIKO-3	Alexa Fluor® 647	25 µg 100 µg	131805 131806			
		Purified	100 µg	303302			PE	25 µg 100 µg	131803 131804			
CD34	QBEnd/10	Purified	50 µL	826401	CD59	p282 (H19)	Purified	100 µg	131802			
		APC	25 tests 100 tests	343607 343608			FITC	100 tests	304706			
CD34	561	APC/Cy7	25 tests 100 tests	343613 343614	PE	25 tests 100 tests	304707 304708	CD59a	mCD59.3	Purified	25 µg 100 µg	304701 304702
		Brilliant Violet 421™	25 tests 100 tests	343609 343610	PE	25 µg 100 µg	143103 143104					
		FITC	25 tests 100 tests	343603 343604	APC	25 µg 100 µg	135807 135808					
		PE	25 tests 100 tests	343605 343606	Biotin	100 µg	135811					
		PE/Cy7	25 tests 100 tests	343615 343616	LEAF™	500 µg	135804					
		PerCP/Cy5.5	25 tests 100 tests	343611 343612	PE	50 µg 200 µg	135805 135806					
		Purified	100 µg	343602	PE/Cy7	25 µg 100 µg	135809 135810					
		CD34	581	Alexa Fluor® 488	25 tests 100 tests	343517 343518	CD88 (C5aR)	SS/1	Purified	100 µg	135802	
				Alexa Fluor® 647	25 tests 100 tests	343507 343508			APC	25 tests 100 tests	344309 344310	
				Alexa Fluor® 700	25 tests 100 tests	343525 343526	FITC	25 tests 100 tests	344305 344306			
				APC	25 tests 100 tests	343509 343510	PE	25 tests 100 tests	344303 344304			
				APC/Cy7	25 tests 100 tests	343513 343514	PE/Cy7	25 tests 100 tests	344307 344308			
				Biotin	25 µg 100 µg	343523 343524	PerCP/Cy5.5	25 tests 100 tests	344311 344312			
				Brilliant Violet 510™	25 tests 100 tests	343527 343528	Purified	100 µg	344302			
Brilliant Violet 605™	25 tests 100 tests			343529 343530	Biotin	100 µg	336104					
FITC	25 tests 100 tests			343503 343504	PE	25 tests 100 tests	336107 336108					
Pacific Blue™	25 µg 100 µg			343511 343512	Ascites	100 µL	920601					
CD93	74.5.2			APC	25 µg 100 µg	136509 136510	CD93	AA4.1	FITC	50 µg 200 µg	136507 136508	
				PE	50 µg 200 µg	136503 136504						
				PE/Cy7	25 µg 100 µg	136505 136506						

Neuroinflammation Antibodies (Continued)

Specificity	Clone	Format	Size	Cat. No.
		PerCP/Cy5.5	25 µg 100 µg	136511 136512
CD93 (C1q receptor)	60.11	Ascites	100 µL	920701
CD105 (Endoglin)	SN6h	PE	25 tests 100 tests	800503 800504
		Purified	1 ml	800501
CD106	429 (MVCAM.A)	Alexa Fluor® 488	100 µg	105710
		Alexa Fluor® 594	100 µg	105724
		Alexa Fluor® 647	25 µg 100 µg	105711 105712
		APC	25 µg 100 µg	105717 105718
		Biotin	50 µg 500 µg	105703 105704
		FITC	50 µg 500 µg	105705 105706
		LEAF™	500 µg	105708
		Pacific Blue™	100 µg	105722
		PE	50 µg 200 µg	105713 105714
		PE/Cy7	25 µg 100 µg	105719 105720
		PerCP/Cy5.5	25 µg 100 µg	105715 105716
		Purified	50 µg 500 µg	105701 105702
CD106	MR106	PE	50 µg	200403
		Purified	50 µg 500 µg	200401 200402
CD106	STA	APC	25 tests 100 tests	305809 305810
		Biotin	100 µg	305804
		PE	25 tests 100 tests	305805 305806
		PE/Cy5	100 tests	305808
		Purified	100 µg	305802
CD106 (VCAM-1)	P3C4	Purified	100 µL	919801
CD120b	3G7A02	APC	25 tests 100 tests	358405 358406
		Biotin	500 µg	358410
		PE	25 tests 100 tests	358403 358404
		PE/Cy7	25 tests 100 tests	358411 358412
		Purified	100 µg	358402
		Ultra-LEAF™	500 µg	358408
CD126 (IL-6Ra)	UV4	APC	25 tests 100 tests	352805 352806
		Biotin	100 µg	352808
		PE	25 tests 100 tests	352803 352804
		PE/Cy7	25 tests 100 tests	352809 352810
		PerCP/Cy5.5	25 tests 100 tests	352811 352812
		Purified	25 µg 100 µg	352801 352802
CD141 (Thrombomodulin)	Phx-01	Purified	100 µL	902101
CD141 (Thrombomodulin)	Phx-02	Purified	100 µL	902201
CD172b (SIRPB1)	B1D5	Purified	100 µL	833601
CD172b (SIRPB1)	84	Purified	100 µL	829201
CD181 (CXCR1)	8F1/CXCR1	Alexa Fluor® 488	100 tests	320616
		APC	100 tests	320612
		FITC	25 tests 100 tests	320605 320606
		PE	100 tests	320608
		PE/Cy5	100 tests	320610
		PE/Cy7	100 tests	320620
		PerCP/Cy5.5	100 tests	320622
CD182 (CXCR2)	5E8/CXCR2	Alexa Fluor® 488	100 tests	320712
		Alexa Fluor® 647	100 tests	320714
		APC	100 tests	320710
		FITC	100 tests	320704
		PE	25 tests 100 tests	320705 320706
		PE/Cy7	25 tests 100 tests	320715 320716
		PerCP/Cy5.5	25 tests 100 tests	320717 320718
CD182 (CXCR2)	SA044G4	Alexa Fluor® 647	25 µg 100 µg	149305 149306
		FITC	25 µg 100 µg	149309 149310
		PE	25 µg 100 µg	149303 149304
		PerCP/Cy5.5	25 µg 100 µg	149307 149308
		Purified	100 µg	149302
CD183 (CXCR3)	G025H7	Alexa Fluor® 488	25 tests 100 tests	353709 353710
		Alexa Fluor® 647	25 tests 100 tests	353711 353712
		Alexa Fluor® 700	25 tests 100 tests	353741 353742
		APC	25 tests 100 tests	353707 353708
		APC/Cy7	25 tests 100 tests	353721 353722
		Biotin	50 µg	353743
		Brilliant Violet 421™	25 tests 100 tests	353715 353716

Specificity	Clone	Format	Size	Cat. No.
		Brilliant Violet 510™	25 tests 100 tests	353725 353726
		Brilliant Violet 605™	25 tests 100 tests	353727 353728
		Brilliant Violet 650™	25 tests 100 tests	353729 353730
		Brilliant Violet 711™	25 tests 100 tests	353731 353732
		Brilliant Violet 785™	25 tests 100 tests	353737 353738
		FITC	25 tests 100 tests	353703 353704
		LEAF™	50 µg 500 µg	353717 353718
		Pacific Blue™	25 µg 100 µg	353723 353724
		PE	25 tests 100 tests	353705 353706
		PE/Cy7	25 tests 100 tests	353719 353720
		PE/Dazzle™ 594	25 tests 100 tests	353735 353736
		PerCP	25 tests 100 tests	353739 353740
		PerCP/Cy5.5	25 tests 100 tests	353713 353714
		Purified	100 µg	353702
		Purified (MaxPar® Ready)	100 µg	353733
CD184 (CXCR4)	12G5	APC	25 tests 100 tests	306509 306510
		APC/Cy7	25 tests 100 tests	306527 306528
		Biotin	100 µg	306504
		Brilliant Violet 421™	25 tests 100 tests	306517 306518
		Brilliant Violet 605™	25 tests 100 tests	306521 306522
		LEAF™	500 µg	306512
		PE	25 tests 100 tests	306505 306506
		PE/Cy5	25 tests 100 tests	306507 306508
		PE/Cy7	25 tests 100 tests	306513 306514
		PE/Dazzle™ 594	25 tests 100 tests	306525 306526
		PerCP/Cy5.5	25 tests 100 tests	306515 306516
		Purified	25 µg 100 µg	306501 306502
		Purified (MaxPar® Ready)	100 µg	306523
CD185 (CXCR5)	J252D4	Alexa Fluor® 488	25 tests 100 tests	356911 356912
		Alexa Fluor® 647	25 tests 100 tests	356905 356906
		Alexa Fluor® 700	25 tests 100 tests	356915 356916
		APC	25 tests 100 tests	356907 356908
		APC/Cy7	25 tests 100 tests	356925 356926
		Biotin	25 µg 100 µg	356931 356932
		Brilliant Violet 421™	25 tests 100 tests	356919 356920
		Brilliant Violet 605™	25 tests 100 tests	356929 356930
		Brilliant Violet 711™	25 tests 100 tests	356933 356934
		Brilliant Violet 785™	25 tests 100 tests	356935 356936
		FITC	25 tests 100 tests	356913 356914
		Pacific Blue™	25 tests 100 tests	356917 356918
		PE	25 tests 100 tests	356903 356904
		PE/Cy7	25 tests 100 tests	356923 356924
		PE/Dazzle™ 594	25 tests 100 tests	356927 356928
		PerCP/Cy5.5	25 tests 100 tests	356909 356910
		Purified	25 µg 100 µg	356901 356902
CD185 (CXCR5)	L138D7	Alexa Fluor® 594	100 µg	145528
		APC	25 µg 100 µg	145505 145506
		APC/Cy7	25 µg 100 µg	145525 145526
		Biotin	25 µg 100 µg	145509 145510
		Brilliant Violet 421™	125 µL 500 µL	145511 145512
		Brilliant Violet 605™	125 µL	145513
		Brilliant Violet 650™	50 µg	145517
		Brilliant Violet 785™	50 µg	145523
		FITC	25 µg 100 µg	145519 145520
		PE	25 µg 100 µg	145503 145504
		PE/Cy7	25 µg 100 µg	145515 145516
		PE/Dazzle™ 594	25 µg 100 µg	145521 145522

Specificity	Clone	Format	Size	Cat. No.
		PerCP/Cy5.5	25 µg 100 µg	145507 145508
		Purified	100 µg	145502
CD186 (CXCR6)	SA051D1	APC	25 µg 100 µg	151105 151106
		Brilliant Violet 421™	50 µg	151109
		FITC	25 µg 100 µg	151107 151108
		PE	25 µg 100 µg	151103 151104
		Purified	100 µg	151102
CD192 (CCR2)	K036C2	APC	25 tests 100 tests	357207 357208
		APC/Cy7	25 tests 100 tests	357219 357220
		Biotin	100 µg	357224
		Brilliant Violet 421™	25 tests 100 tests	357209 357210
		Brilliant Violet 510™	25 tests 100 tests	357217 357218
		Brilliant Violet 605™	25 tests 100 tests	357213 357214
		FITC	25 tests 100 tests	357215 357216
		PE	25 tests 100 tests	357205 357206
		PE/Cy7	25 tests 100 tests	357211 357212
		PE/Dazzle™ 594	25 tests 100 tests	357221 357222
		PerCP/Cy5.5	25 tests 100 tests	357203 357204
		Purified	25 µg 100 µg	357201 357202
CD195 (CCR5)	J418F1	Alexa Fluor® 488	25 tests 100 tests	359103 359104
		Alexa Fluor® 647	25 tests 100 tests	359113 359114
		Alexa Fluor® 700	25 tests 100 tests	359115 359116
		APC	25 tests 100 tests	359121 359122
		APC/Cy7	100 tests	359110
		Brilliant Violet 421™	25 tests 100 tests	359117 359118
		FITC	25 tests 100 tests	359119 359120
		Pacific Blue™	25 tests 100 tests	359123 359124
		PE	25 tests 100 tests	359105 359106
		PE/Cy7	25 tests 100 tests	359107 359108
		PE/Dazzle™ 594	25 tests 100 tests	359125 359126
		PerCP/Cy5.5	25 tests 100 tests	359111 359112
		Purified	25 µg 100 µg	359101 359102
		Purified	100 µL	821101
CD205 (DEC-205)	HD30			
CD209/CD299 (DC-SIGN/L-SIGN)	14E3G7	Purified	100 µg	845002
CD209a	MMD3	Purified	100 µL	833001
CD281 (TLR1)	TLR1.136	Biotin	100 µg	334504
		Purified	100 µg	334502
CD282 (TLR2)	TL2.1	Alexa Fluor® 488	100 tests	309712
		Alexa Fluor® 647	100 tests	309714
		FITC	25 tests 100 tests	309705 309706
		LEAF™	100 µg 500 µg	309709 309710
		PE	25 tests 100 tests	309707 309708
		Purified	100 µg	309702
CD282 (TLR2)	T2.5	Alexa Fluor® 488	25 µg 100 µg	121807 121808
		Alexa Fluor® 647	25 µg 100 µg	121809 121810
		Biotin	100 µg	121804
		FITC	25 µg 100 µg	121805 121806
		Purified	25 µg 100 µg	121801 121802
CD283 (TLR3)	TLR-104	PE	25 µg	315005
		Purified	100 µg	315002
CD284 (TLR4)	HTA125	APC	25 tests 100 tests	312815 312816
		Biotin	100 µg	312804
		Brilliant Violet 421™	25 tests	312811
		LEAF™	100 µg 500 µg	312807 312808
		PE	25 tests 100 tests	312805 312806
		Purified	100 µg	312802
		Ultra-LEAF™	1 mg	312814
CD286 (TLR6)	TLR6.127	Biotin	25 µg	334705
		PE	25 tests 100 tests	334707 334708
		Purified	100 µg	334702
CD325 (N-Cadherin)	13A9	Purified	100 µg	844702
		Ultra-LEAF™	100 µg	844703
CD354 (TREM-1)	TREM-37	Purified	100 µg	316102
CD354 (TREM-1)	TREM-26	APC	100 tests	314909
		Biotin	100 µg	314904

Specificity	Clone	Format	Size	Cat. No.
		LEAF™	100 µg	314907
		PE	100 tests	314906
		Purified	100 µg	314902
complement C3/ C3b/iC3b	7C12/C3b	Purified	100 µg	846402
complement C3/ C3b/iC3b	6C9/C3b	Purified	100 µg	846502
complement C3/ C3b/iC3b/C3d	1H8/C3b	Purified	100 µg	846302
CX3CR1	8E10.D9	Purified	100 µL	824001
CX3CR1	K0124E1	PE	25 tests 100 tests	355703 355704
		Purified	25 µg 100 µg	355701 355702
CX3CR1	2A9-1	Alexa Fluor® 647	25 tests 100 tests	341607 341608
		APC	25 tests 100 tests	341609 341610
		APC/Cy7	25 tests 100 tests	341615 341616
		Biotin	50 µg	341617
		FITC	25 tests 100 tests	341605 341606
		PE	25 tests 100 tests	341603 341604
		PE/Cy7	25 tests 100 tests	341611 341612
		PerCP/Cy5.5	25 tests 100 tests	341613 341614
		Purified	100 µg	341602
CXCL10 (IP-10)	J036G3	Purified	50 µg 500 µg	524401 524402
CXCL10 (IP-10)	J034D6	PE	25 tests 100 tests	519503 519504
		Purified	50 µg 500 µg	519501 519502
CXCL10 (IP-10)	Poly5194	Biotin	50 µg	519403
DJ-1 (PARK7)	E2.19	Purified	200 µL 1 ml	813801 813803
DJ-1 (PARK7)	Poly18081	Purified	50 µg	808101
		Purified	50 µg	808101
DJ-1 (PARK7)	E2.19	Purified	200 µL 1 ml	813801 813803
F4/80	BM8	Alexa Fluor® 488	25 µg 100 µg	123119 123120
		Alexa Fluor® 594	100 µg	123140
		Alexa Fluor® 647	25 µg 100 µg	123121 123122
		Alexa Fluor® 700	25 µg 100 µg	123129 123130
		APC	25 µg 100 µg	123115 123116
		APC/Cy7	25 µg 100 µg	123117 123118
		APC/Fire™ 750	25 µg 100 µg	123151 123152
		Biotin	50 µg 500 µg	123105 123106
		Brilliant Violet 421™	125 µL 500 µL	123131 123132
		Brilliant Violet 510™	50 µg	123137
		Brilliant Violet 605™	50 µg	123135
		Brilliant Violet 650™	125 µL	123133
		Brilliant Violet 711™	50 µg	123149
		Brilliant Violet 785™	50 µg	123147
		Brilliant Violet 785™	50 µg	123141
		FITC	50 µg 500 µg	123107 123108
		LEAF™	50 µg	123103
		Pacific Blue™	25 µg 100 µg	123123 123124
		PE	25 µg 100 µg	123109 123110
		PE/Cy5	25 µg 100 µg	123111 123112
		PE/Cy7	25 µg 100 µg	123113 123114
		PE/Dazzle™ 594	25 µg 100 µg	123145 123146
		PerCP	25 µg 100 µg	123125 123126
		PerCP/Cy5.5	25 µg 100 µg	123127 123128
		Purified	50 µg 500 µg	123101 123102
		Purified (MaxPar® Ready)	100 µg	123143

Neuroinflammation Antibodies (Continued)

Specificity	Clone	Format	Size	Cat. No.
FMP	F6D/11	Purified	100 µL	833401
Glutamic Acid Decarboxylase (GAD65/GAD2)	N-GAD65	Purified	100 µg	844502
		Ultra-LEAF™	100 µg	844503
HSC70 (HSPA8)	42615	Purified	100 µg	682102
HSP60	P83G8	Direct-Blot™	100 µL (20 Western blots)	681503
		Purified	100 µg	681502
Hsp70	4F8	Purified	100 µL	818101
Hsp70	W27	Alexa Fluor® 488	25 tests 100 tests	648003 648004
		Direct-Blot™	100 µL (20 Western blots)	648005
		Purified	25 µg 100 µg	648001 648002
Hsp90a	K41007	Purified	100 µg	661702
Hsp90a/β	K3720A	Purified	100 µg	661802
Hsp90a/β	3H3C27	Direct-Blot™	100 µL (20 Western blots)	675403
		Purified	100 µg	675402
IFN-γ	MD-1	LEAF™	500 µg	507513
		Purified	50 µg 500 µg	507501 507502
IFN-γ	B27	Alexa Fluor® 700	25 µg 100 µg	506515 506516
		APC	100 tests	506510
		APC/Cy7	25 tests 100 tests	506523 506524
		FITC	100 tests	506504
		LEAF™	50 µg 500 µg	506512 506513
		Pacific Blue™	25 tests 100 tests	506525 506526
		PE	25 tests 100 tests	506506 506507
		PE/Cy7	25 tests 100 tests	506517 506518
		PE/Dazzle™ 594	25 tests 100 tests	506529 506530
		PerCP/Cy5.5	25 tests 100 tests	506527 506528
		Purified	50 µg 500 µg	506501 506502
		Purified (MaxPar® Ready)	100 µg	506521
IFN-γ	4S.B3	Alexa Fluor® 488	100 tests 25 tests	502515 502517
		Alexa Fluor® 647	100 tests	502516
		Alexa Fluor® 700	25 µg 100 µg	502519 502520
		APC	25 tests 100 tests	502511 502512
		APC/Cy7	25 tests 100 tests	502529 502530
		APC/Fire™ 750	25 tests 100 tests	502547 502548
		Biotin	50 µg 500 µg	502503 502504
		Brilliant Violet 421™	25 tests 100 tests	502531 502532
		Brilliant Violet 510™	25 tests 100 tests	502543 502544
		Brilliant Violet 570™	25 tests 100 tests	502533 502534
		Brilliant Violet 605™	25 tests 100 tests	502535 502536
		Brilliant Violet 650™	25 tests 100 tests	502537 502538
		Brilliant Violet 711™	25 tests 100 tests	502539 502540
		Brilliant Violet 785™	25 tests 100 tests	502541 502542
		FITC	25 tests 100 tests 50 µg	502505 502506 502507
		Pacific Blue™	25 µg 100 µg	502521 502522
		PE	25 tests 100 tests 50 µg	502508 502509 502510
		PE/Cy7	25 tests 100 tests	502527 502528
		PE/Dazzle™ 594	25 tests 100 tests	502545 502546
		PerCP	25 tests 100 tests	502523 502524
		PerCP/Cy5.5	25 tests 100 tests	502525 502526
		Purified	50 µg 500 µg	502501 502502
IFN-γ	NIB42	LEAF™	50 µg 500 µg	502403 502404
		Purified	50 µg 500 µg	502401 502402
IL-1α	364-3B3-14	LEAF™	500 µg	500102
		PE	100 tests 50 µg	500106 500107
		Purified	500 µg	500104
IL-1α	BH0110	Biotin	4 plates	515703
IL-1β	Poly5174	Biotin	50 µg	517403

Specificity	Clone	Format	Size	Cat. No.
IL-1β	H1b-98	Alexa Fluor® 647	25 tests	511707
		Biotin	50 µg 500 µg	511703 511704
		FITC	25 tests	511705
		Pacific Blue™	25 µg 100 µg	511709 511710
		LEAF™	500 µg	511604
IL-1β	H1b-27	Purified	50 µg 500 µg	511601 511602
IL-1β	JK1B-2	Biotin	50 µg 500 µg	508301 508302
		Purified	500 µg	508304
IL-1β	JK1B-1	Alexa Fluor® 647	25 tests 100 tests	508207 508208
		FITC	100 tests	508206
		Purified	50 µg 500 µg	508201 508202
IL-1 RA	JK1RA-1	Purified	50 µg 500 µg	509901 509902
IL-1 RA	Poly5095	Biotin	500 µg	509502
IL-2	Poly5176	Biotin	50 µg	517605
IL-2	MQ1-17H12	Alexa Fluor® 488	100 tests	500314
		Alexa Fluor® 647	100 tests	500315
		Alexa Fluor® 700	25 µg 100 µg	500319 500320
		APC	25 tests 100 tests 50 µg	500309 500310 500311
		APC/Cy7	25 tests 100 tests	500341 500342
		Brilliant Violet 421™	25 tests 100 tests	500327 500328
		Brilliant Violet 510™	25 tests 100 tests	500337 500338
		Brilliant Violet 605™	25 tests 100 tests	500331 500332
		Brilliant Violet 650™	25 tests 100 tests	500333 500334
		Brilliant Violet 711™	25 tests 100 tests	500345 500346
		Brilliant Violet 785™	25 tests 100 tests	500347 500348
		FITC	100 tests 50 µg	500304 500305
		LEAF™	500 µg	500313
		Pacific Blue™	100 µg	500324
		PE	25 tests 100 tests	500306 500307
		PE/Cy7	25 tests 100 tests	500325 500326
		PE/Dazzle™ 594	25 tests 100 tests	500343 500344
		PerCP	25 tests 100 tests	500349 500350
		PerCP/Cy5.5	25 tests 100 tests	500321 500322
		Purified	50 µg 500 µg	500301 500302
		Purified (MaxPar® Ready)	100 µg	500339
IL-4	MP4-25D2	Alexa Fluor® 488	100 tests	500817
		Alexa Fluor® 647	100 tests	500818
		APC	25 tests 100 tests	500811 500812
		APC/Cy7	25 tests 100 tests	500833 500834
		Biotin	50 µg 500 µg	500803 500804
		Brilliant Violet 421™	25 tests 100 tests	500825 500826
		Brilliant Violet 605™	25 tests 100 tests	500827 500828
		FITC	100 tests 50 µg	500806 500807
		LEAF™	50 µg 500 µg	500814 500815
		PE	25 tests 50 µg	500808 500810
		PE/Cy7	25 tests 100 tests	500823 500824
		PE/Dazzle™ 594	25 tests 100 tests	500831 500832
		PerCP/Cy5.5	25 tests 100 tests	500821 500822
		Purified	500 µg	500802
		Purified (MaxPar® Ready)	100 µg	500829
IL-4	8D4-8	Alexa Fluor® 488	100 tests	500710
		Alexa Fluor® 647	100 tests	500712
		APC	25 tests 100 tests	500713 500714
		LEAF™	50 µg 500 µg	500706 500707
		PE	25 tests 100 tests 50 µg	500703 500704 500705
		Purified	50 µg 500 µg	500701 500702
IL-6	MQ2-39C3	Biotin	50 µg 500 µg	501201 501202
		Purified	500 µg	501204
IL-6	MQ2-13A5	APC	100 tests	501112
		FITC	25 tests 100 tests 50 µg	501103 501104 501105
		LEAF™	50 µg 500 µg	501109 501110

Specificity	Clone	Format	Size	Cat. No.	Specificity	Clone	Format	Size	Cat. No.
		Pacific Blue™	25 tests 100 tests	501113 501114			Purified (MaxPar® Ready)	100 µg	512331
		PE	25 tests 100 tests	501106 501107					
		PE/Cy7	25 tests 100 tests	501119 501120	IL-17F	6B9.H8	Purified	100 µL	830201
		PerCP/Cy5.5	25 tests 100 tests	501117 501118	IL-18	KU18-81	Purified	100 µg	517302
		Purified	50 µg 500 µg	501101 501102	LAP (TGF-β1)	TW4-6H10	APC	25 tests 100 tests	349705 349706
		Purified (MaxPar® Ready)	100 µg	501115			Biotin	50 µg 500 µg	349707 349708
IL-8	BH0840	Biotin	500 µg	514704			PE	25 tests 100 tests	349703 349704
IL-8	BH0814	FITC	100 tests	514604	LAP (TGF-β1)	TW4-2F8	APC	25 tests 100 tests	349607 349608
		PerCP	100 tests	514606			Brilliant Violet 421™	25 tests	349613
		Purified	50 µg 500 µg	514601 514602			FITC	25 tests 100 tests	349605 349606
IL-8	H8A5	Purified	50 µg 500 µg	511501 511502			PE	25 tests 100 tests	349603 349604
IL-8	E8N1	Alexa Fluor® 488	25 tests 100 tests	511411 511412			PE/Cy7	100 tests	349610
		APC	100 tests	511410			PerCP/Cy5.5	25 tests 100 tests	349611 349612
		Biotin	50 µg 500 µg	511403 511404			Purified	100 µg	349602
		FITC	100 tests	511406	LRP2	CD7D5	Purified	100 µL	826901
		PE	100 tests	511408	LRRK2	MC028.83.76.242	Purified	100 µL	808201
		PE/Cy7	25 tests 100 tests	511415 511416	LRRK2	8G10	Purified	100 µL	844401
		Purified	500 µg	511402	LRRK2 (NH2 terminus)	N138/6	Purified	100 µL	818901
IL-10	JES3-19F1	APC	25 tests 100 tests	506806 506807	LT-α (TNF-β)	359-81-11	Biotin	500 µg	503104
		LEAF™	500 µg	506810			PE	25 µg	503105
		PE	100 tests	506804	LT-α (TNF-β)	359-238-8	LEAF™	500 µg	503004
		Purified	50 µg 500 µg	506801 506802			Purified	500 µg	503002
IL-10	JES3-12G8	Biotin	50 µg 500 µg	501501 501502	MMP1	M4110F03	Purified	100 µg	675702
		Purified	500 µg 50 µg	501504 501505	MMP1	F15P3B6	Purified	100 µg	634702
IL-10	JES3-9D7	Alexa Fluor® 488	100 tests 25 tests	501411 501413	MMP2	M6308B04	Purified	100 µg	680002
		Alexa Fluor® 647	100 tests 25 tests	501412 501414	MMP2	M6303D01	Alexa Fluor® 594	100 µg	679904
		APC	25 tests 100 tests	501409 501410			Purified	100 µg	679902
		Brilliant Violet 421™	25 tests	501421	MMP3	M4405F10	Purified	100 µg	679202
		LEAF™	50 µg 500 µg	501406 501407	MMP3	F36P1B4	Purified	100 µg	634902
		PE	25 tests 100 tests	501403 501404	MMP9	M2101G05	Purified	100 µg	681802
		PE/Cy7	25 tests 100 tests	501419 501420	MMP-9	L51/82	Purified	100 µL	819701
		PE/Dazzle™ 594	25 tests 100 tests	501425 501426			Purified	100 µL	819701
		PerCP/Cy5.5	25 tests 100 tests	501417 501418	Nur77	1E10A15	Alexa Fluor® 594	100 µg	653504
		Purified	50 µg 500 µg	501401 501402			Purified	25 µg 100 µg	653501 653502
		Purified (MaxPar® Ready)	100 µg	501423	PAR-2	SAM11	Purified	100 µL	817201
IL-13	Poly5020	Biotin	4 Plates	502001	PARIS (ZNF746)	N196/16	Purified	100 µL	820601
IL-13	JES10-5A2	APC	100 tests 50 µg	501907 501908	Parkin	Prk 109	Purified	200 µL	807601
		Brilliant Violet 421™	25 tests 100 tests	501915 501916	Parkin	Prk 8	Purified	200 µL 500 µL 1 ml	808501 808502
		LEAF™	50 µg 500 µg	501909 501910	PINK1	N4/15	Purified	100 µL	832901
		PE	25 tests	501903	PINK1	5E1.D8	Purified	100 µL	834801
		PE/Cy7	25 tests 100 tests	501913 501914	PINK1	DU46-1.1	Purified	100 µg	846202
		PerCP/Cy5.5	100 tests 50 µg	501911 501912	Podoplanin (Lymphatic Endothelial Marker)	D2-40	Purified	25 µg 100 µg	916605 916606
		Purified	50 µg 500 µg	501901 501902			Tissue Culture Supernatant	100 µL 1 ml 6 ml 6 ml	916601 916602 916603 916604
IL-17A	Poly5189	Biotin	50 µg	518902	S100A4	S100A4	Purified	250 µL	810101
IL-17A	BL23	Purified	500 µg	512702	S100A4	NJ-4F3-D1	APC	25 tests 100 tests	370005 370006
IL-17A	BL168	Alexa Fluor® 488	25 tests 100 tests	512307 512308			FITC	25 tests 100 tests	370007 370008
		Alexa Fluor® 647	25 tests 100 tests	512309 512310			PE	25 tests 100 tests	370003 370004
		Alexa Fluor® 700	25 tests 100 tests	512317 512318			PerCP/Cy5.5	25 tests 100 tests	370009 370010
		APC	25 tests 100 tests	512333 512334	S100B	11C12E12	Purified	100 µg	676604
		APC/Cy7	25 tests 100 tests	512319 512320	SMAD6	P85H3	Purified	100 µg	681402
		Brilliant Violet 421™	25 tests 100 tests	512321 512322	TGF-β1	21C11	Purified	50 µg	525301
		Brilliant Violet 510™	25 tests 100 tests	512329 512330	TGF-β1	19D8	Biotin	50 µg	521705
		Brilliant Violet 570™	25 tests 100 tests	512323 512324			LEAF™	50 µg 500 µg	521703 521704
		Brilliant Violet 605™	25 tests 100 tests	512325 512326					
		Brilliant Violet 711™	25 tests 100 tests	512327 512328					
		Brilliant Violet 785™	25 tests 100 tests	512337 512338					
		FITC	25 tests 100 tests	512303 512304					
		Pacific Blue™	25 tests 100 tests	512311 512312					
		PE	25 tests 100 tests	512305 512306					
		PE/Cy7	25 tests	512315					
		PE/Dazzle™ 594	25 tests 100 tests	512335 512336					
		PerCP/Cy5.5	25 tests 100 tests	512313 512314					
		Purified	50 µg 500 µg	512301 512302					

Neuroinflammation Antibodies (Continued)

Specificity	Clone	Format	Size	Cat. No.
TNF-α	MAb11	Alexa Fluor® 488	100 tests 25 tests	502915 502917
		Alexa Fluor® 647	100 tests	502916
		Alexa Fluor® 700	25 tests 100 tests	502927 502928
		APC	100 tests 50 µg	502912 502913
		APC/Cy7	25 tests 100 tests	502943 502944
		Biotin	50 µg 500 µg	502903 502904
		Brilliant Violet 421™	25 tests 100 tests	502931 502932
		Brilliant Violet 510™	25 tests 100 tests	502949 502950
		Brilliant Violet 605™	25 tests 100 tests	502935 502936
		Brilliant Violet 650™	25 tests 100 tests	502937 502938
		Brilliant Violet 711™	25 tests 100 tests	502939 502940
		Brilliant Violet 785™	25 tests 100 tests	502947 502948
		FITC	100 tests	502906
		LEAF™	500 µg	502922
		Pacific Blue™	100 µg	502920
		PE	25 tests 100 tests	502908 502909
		PE/Cy7	25 tests 100 tests	502929 502930
		PE/Dazzle™ 594	25 tests 100 tests	502945 502946
		PerCP	25 tests 100 tests	502923 502924
		PerCP/Cy5.5	25 tests 100 tests	502925 502926
Purified	50 µg 500 µg	502901 502902		
Purified (MaxPar® Ready)	100 µg	502941		
TNF-α	MAb1	LEAF™	50 µg 500 µg	502803 502804
		Purified	50 µg 500 µg	502801 502802
TNF-α	TNF 104C	Purified	250 µL	901201
TRAF6	T2-15C	Purified	25 µg 100 µg	654501 654502
TREM-2 (CD354)	6E9	Purified	1 ml	824801

Neuroinflammation Kits

Description	Size	Cat. No.
MojoSort™ Human CD14 Selection Kit	20 tests 200 tests	480025 480026

Neuroinflammation ELISAs and Multiplex Assays

Description	Size	Cat. No.
Human CCL5 (RANTES) ELISA MAX™ Deluxe	5 Plates 10 Plates	440804 440805 440806
LEGEND MAX™ Human CCL5 (RANTES) ELISA Kit with Pre-coated Plates	1 Pre-coated Plate	440807 440808
Human CCL8 (MCP-2) ELISA MAX™ Deluxe	5 Plates 10 Plates	442204 442205 442206
LEGEND MAX™ Human CCL8 (MCP-2) ELISA Kit with Pre-coated Plates	1 Pre-coated Plate	442207 442208
LEGENDplex™ Human Proinflammatory Chemokine Panel	100 tests	740003
LEGEND MAX™ Human C5a ELISA Kit with Pre-coated Plates	1 Pre-coated Plate	442107 442108
LEGEND MAX™ Human CD31 (PECAM-1) ELISA Kit with Pre-coated Plates	1 Pre-coated Plate	443607 443608
Human MCP-1/CCL2 ELISA MAX™ Deluxe	5 Plates 10 Plates	438804 438805 438806
LEGEND MAX™ Human MCP-1/CCL2 ELISA Kit with Pre-coated Plates	1 Pre-coated Plate	438807 438808
LEGENDplex™ Mouse Proinflammatory Chemokine Panel (13-plex) with Filter Plate	100 tests	740007
LEGEND MAX™ Human MMP-9 ELISA Kit with Pre-coated Plates	1 Pre-coated Plate	440707 440708
Mouse MCP-1 ELISA MAX™ Standard	5 plates 10 Plates	432701 432702 432703
Mouse MCP-1 ELISA MAX™ Deluxe	5 plates 10 Plates	432704 432705 432706
LEGEND MAX™ Mouse MCP-1/CCL2 ELISA Kit with Pre-coated Plates	1 Pre-coated Plate	432707 432708
LEGEND MAX™ Mouse CCL11 ELISA Kit with Pre-coated Plates	1 Pre-coated Plate	443907 443908
LEGEND MAX™ Rat CCL11 ELISA Kit with Pre-coated Plates	5 Pre-coated Plates	444007 444008
LEGENDplex™ NHP Chemokine/Cytokine Panel with filter plate	100 tests	740317
LEGENDplex™ NHP Chemokine/Cytokine Panel with V-bottom plate	100 tests	740388

Neuroinflammation Recombinant Proteins

Description	Size	Cat. No.
Recombinant Human Arginase I (carrier-free)	10 µg 25 µg 100 µg	552502 552504 552506
Recombinant Human CCL2 (MCP-1) (Animal-Free)	500 µg	552508
Recombinant Human CCL2 (MCP-1) (carrier-free)	20 µg	716504
Recombinant Human CCL2 (MCP-1) (carrier-free)	10 µg 25 µg 100 µg	571402 571404 571406
Recombinant Human CCL3 (MIP-1α) (carrier-free)	500 µg	571408
Recombinant Human CCL3 (MIP-1α) (carrier-free)	10 µg 25 µg 100 µg	582802 582804 582806
Recombinant Human CCL4 (MIP-1β) (carrier-free)	10 µg 25 µg 100 µg	554702 554704 554706
Recombinant Human CCL5 (RANTES) (Animal-Free)	20 µg	717004
Recombinant Human CCL5 (RANTES) (carrier-free)	10 µg 25 µg 100 µg	580202 580204 580206
Recombinant Human CCL5 (RANTES) (carrier-free)	500 µg	580208
Recombinant Human CCL5 (RANTES) (carrier-free)	4 pack	580209
Recombinant Human CCL8 (MCP-2) (carrier-free)	10 µg 25 µg 100 µg	581602 581604 581606
Recombinant Human CCL8 (MCP-2) (carrier-free)	500 µg	581608
Recombinant Human CCL8 (MCP-2) (ELISA Std.)	4 pack	558309
Recombinant Human CCL11 (Eotaxin) (carrier-free)	10 µg 25 µg 100 µg	583002 583004 583006
Recombinant Human CCL11 (Eotaxin) (carrier-free)	500 µg	583008
Recombinant Human CXCL1 (GRO-α) (carrier-free)	10 µg 25 µg 100 µg	574402 574404 574406
Recombinant Human CXCL1 (GRO-α) (carrier-free)	500 µg	574408
Recombinant Human MMP-1 (carrier-free)	10 µg 25 µg 100 µg	592902 592904 592906
Recombinant Human MMP-1 (carrier-free)	500 µg	592908
Recombinant Human MMP-2 (carrier-free)	10 µg 25 µg 100 µg	554302 554304 554306
Recombinant Human MMP-2 (carrier-free)	500 µg	554308
Recombinant Human MMP-3 (carrier-free)	10 µg 25 µg 100 µg	594702 594704 594706
Recombinant Human MMP-3 (carrier-free)	500 µg	594708
Recombinant Human MMP-8 (carrier-free)	10 µg 25 µg 100 µg	556102 556104 556106
Recombinant Human MMP-9 (carrier-free)	10 µg 25 µg 100 µg	550502 550504 550506
Recombinant Human MMP-9 (dimer, carrier-free)	10 µg 25 µg 100 µg	551102 551104 551106
Recombinant Mouse CCL2 (MCP-1) (carrier-free)	10 µg 25 µg 100 µg	578402 578404 578406
Recombinant Mouse CCL2 (MCP-1) (ELISA Std.)	4 pack	576509
Recombinant Mouse CCL3 (MIP-1α) (carrier-free)	10 µg 25 µg	593802 593804
Recombinant Mouse CCL4 (MIP-1β) (carrier-free)	10 µg 25 µg 100 µg	554602 554604 554606
Recombinant Mouse CCL5 (RANTES) (carrier-free)	10 µg 25 µg 100 µg	594202 594204 594206
Recombinant Mouse CCL5 (RANTES) (carrier-free)	500 µg	594208
Recombinant Mouse CCL8 (MCP-2) (carrier-free)	10 µg 25 µg 100 µg	581702 581704 581706
Recombinant Mouse CCL8 (MCP-2) (carrier-free)	500 µg	581708
Recombinant Mouse CCL11 (Eotaxin) (carrier-free)	10 µg 25 µg 100 µg	582902 582904 582906
Recombinant Mouse CCL11 (Eotaxin) (carrier-free)	500 µg	582908
Recombinant Mouse CXCL1 (KC) (carrier-free)	10 µg 25 µg 100 µg	573702 573704 573706
Recombinant Mouse CXCL1 (KC) (carrier-free)	500 µg	573708
Recombinant Mouse MMP-2 (carrier-free)	10 µg 25 µg	554402 554404
Recombinant Mouse MMP-3 (carrier-free)	10 µg 25 µg 100 µg	552702 552704 552706
Recombinant Mouse MMP-3 (carrier-free)	500 µg	552708
Recombinant Mouse MMP-9 (Gelatinase B) (carrier-free)	10 µg	590502
Recombinant Mouse MMP-9 (Gelatinase B) (carrier-free)	10 µg 25 µg	755202 755204
Recombinant Mouse E-Selectin (CD62E)-Fc Chimeric (carrier-free)	10 µg 25 µg	755502 755504

Synaptic Biology

Healthy synaptic connections are essential for brain functions, including memory formation. Impairment of synaptic activity and subsequent synaptic degradation have been linked to neuronal loss in neurodegenerative diseases. BioLegend provides a large portfolio of products to investigate synaptic biology, including the mechanisms that lead to dysfunction and synaptic loss.

Postsynaptic Protein Antibodies

Specificity	Clone	Format	Size	Cat. No.		
ADAM22	N46/30	Purified	100 µL	818401		
ADAM22	N57/2	Purified	100 µL	831001		
ASIC1	N271/44	Purified	100 µL	833501		
CaMKIV	3E5.E8	Purified	100 µL	830101		
CD271 (NGFR)	ME20.4	Alexa Fluor® 647	25 tests 100 tests	345113 345114		
		APC	25 tests 100 tests	345107 345108		
		FITC	25 tests 100 tests	345103 345104		
		PE	25 tests 100 tests	345105 345106		
		PE/Cy7	25 tests 100 tests	345109 345110		
		PerCP/Cy5.5	25 tests 100 tests	345111 345112		
		Purified	25 µg 100 µg	345101 345102		
CD271 (p75NTR)	Poly18397	Serum	200 µL	839701		
CD271 (p75NTR)	NGFR5	Purified	100 µL	818201		
CDK5	P84E4	Purified	100 µg	684502		
Dopamine D3 receptor	N331/19	Purified	100 µL	827501		
Dopamine Receptor D1 (DRD1)	L205G1	PE	25 tests 100 tests	366403 366404		
EGFR	AY13	Alexa Fluor® 488	25 tests 100 tests	352907 352908		
		Alexa Fluor® 594	100 µg	352916		
		APC	25 tests 100 tests	352905 352906		
		Brilliant Violet 421™	25 tests	352911		
		PE	25 tests 100 tests	352903 352904		
		PE/Cy7	25 tests 100 tests	352909 352910		
EGFR Phosphorylated (Tyr1068)	Poly6563	Purified	200 µL	656302		
		ERK1	W15133A	Purified	100 µg	687002
		ERK1/2 Phospho (Thr202/Tyr204)	4B11B69	Alexa Fluor® 488	25 tests 100 tests	675507 675508
Alexa Fluor® 647	25 tests 100 tests			675503 675504		
		Direct-Blot™	100 µL (20 Western blots)	675505		

Specificity	Clone	Format	Size	Cat. No.
ERK1/2 Phospho (Thr202/Tyr204)	6B8B69	Purified	100 µg	675502
		Alexa Fluor® 488	25 tests 100 tests	369507 369508
		Alexa Fluor® 647	25 tests 100 tests	369503 369504
		Brilliant Violet 421™	25 tests 100 tests	369509 369510
		PE	25 tests 100 tests	369505 369506
		PE/Cy5	25 tests 100 tests	369513 369514
		PerCP/Cy5.5	25 tests 100 tests	369511 369512
GABA(B)R2	N81/2	Purified	100 µL	820501
GABBR1	N93A/49	Purified	100 µL	820801
GABBR2	N81/37			
GABRA1	N95/35	Purified	100 µL	832301
GABRA4	Poly28229	Purified	100 µL	822901
GABRB3	N87/25	Purified	100 µL	818501
GABRD	N151/3	Purified	100 µL	827601
GluR1	N355/1	Purified	100 µL	819801
GluR1 Phospho (Ser845)	Poly28025	Purified	150 µL	802501
GluR2	L21/32	Purified	100 µL	810501
IP3R1 (Complex with homer and mGluR)	L24/18	Purified	100 µL	817701
KCC2	N1/12	Purified	100 µL	821701
KCC2	N1/66	Purified	100 µL	827901
KCNA5	2D10.D6	Purified	100 µL	814901
LRP4 (NH2 terminus)	N207/27	Purified	100 µL	832201
MAGUK (pan reactive)	K28/86	Purified	100 µL	817801
MAP6 (STOP)	STOP	Purified	100 µL	824701
nAChR, α1, α3 & α5 Subunits	210	Ascites	500 µL	838301
nAChR, α1-Subunit	61	Ascites	500 µL	839101
nAChR, α4-Subunit	299	Ascites	500 µL	839201

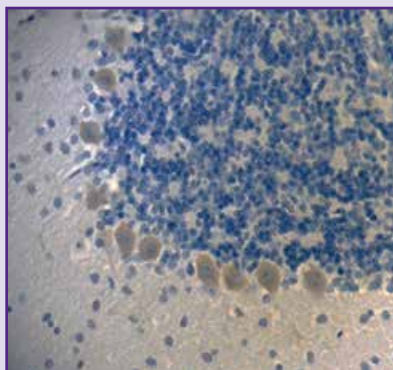
Learn more at: [biolegend.com/synaptic_function](https://www.biolegend.com/synaptic_function)

MAGUK



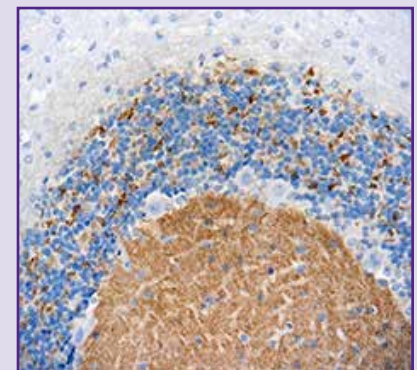
IHC staining of anti-MAGUK antibody (clone K28/86) on formalin-fixed paraffin-embedded rat hippocampal tissue.

PSD-93



IHC staining of anti-PSD-93 antibody (clone N18/28) on formalin-fixed paraffin-embedded rat brain tissue.

VGlut1



IHC staining of anti-VGlut1 antibody (clone N28/9) on formalin-fixed paraffin-embedded rat brain.

Postsynaptic Protein Antibodies

Specificity	Clone	Format	Size	Cat. No.
nAChR, α 7-Subunit	319	Ascites	500 μ L	838401
nAChR, α 7-Subunit	306	Ascites	500 μ L	836701
nAChR, β 2-Subunit	270	Ascites	500 μ L	838501
nAChR, γ -Subunit	66	Ascites	500 μ L	838601
Neurogranin (NRGN)	NG2	Purified	100 μ g	845602
Neurogranin (NRGN)	NG7	Purified	100 μ g	845702
NMDAR1	N308/48	Purified	100 μ L	818601
NMDAR1	R1JHL	Purified	15 μ g	828201
NMDAR2A	N327/95	Purified	100 μ L	832101
NMDAR2A	N327A/38	Purified	100 μ L	832401
NMDAR2B	N59/20	Purified	100 μ L	832501
NMDAR2B	N59/36	Purified	100 μ L	818701
Nogo-B	Poly5187	Biotin	50 μ g	518703
		Purified	100 μ g	518701
Notch 1	N253/32	Purified	100 μ L	819101
Notch 1	mN1A	Biotin	25 μ g 100 μ g	629103 629104
		PE	25 μ g 100 μ g	629105 629106
		Purified	25 μ g 100 μ g	629101 629102
Notch 1	HMN1-12	Alexa Fluor [®] 647	25 μ g	130611
		APC	25 μ g	130613
		Biotin	50 μ g	130605
		Brilliant Violet 421™	125 μ L	130615
		PE	50 μ g 200 μ g	130607 130608
		Purified	500 μ g	130602
Notch 1	MHN1-519	APC	25 tests 100 tests	352107 352108
		LEAF™	500 μ g	352104
		PE	25 tests 100 tests	352105 352106
		Purified	100 μ g	352102
Notch 1	N253/32	Purified	100 μ L	819101
Notch1 β	5B6	Purified	100 μ g	845202
Notch1 β	6B11/Notch	Purified	100 μ g	845302
Notch1 β	5C12	Purified	100 μ g	845402
PICK1	L20/8	Purified	100 μ L	830901
PPP3CA (CnA1) (PP2B)	2E2.D11	Purified	100 μ L	817601
PSD-93 (Chapsyn-100)	N18/30	Purified	100 μ L	821201
PSD-93 (Chapsyn-110)	N18/28	Purified	100 μ L	818301
PSD95	K28/43	Purified	100 μ L	810401
PSD95	K28/74	Purified	100 μ L	810301
PYK2	P85E2D5	Purified	100 μ g	685002
RGS14	N133/21	Purified	100 μ L	821801
RhoG	1F3 B3 E5	Purified	100 μ L	814701
SAP102	N19/2	Purified	100 μ L	832001
SAP97	K64/15	Purified	100 μ L	830701
SAPAP (pan reactive)	N127/31	Purified	100 μ L	832601
SAPAP1	N238/31	Purified	100 μ L	831801
Syntrophin	1351	Purified	100 μ g	845102
		Ultra-LEAF™	100 μ g	845103
TARP γ 2 (Star-gazin)	N245/1	Purified	100 μ L	827401
Thorase (Atad1) (GluR2 endocytosis)	N125/10	Purified	100 μ L	820001
WAVE1 (Actin-Interacting protein)	K91/36	Purified	100 μ L	817901

Presynaptic Protein Antibodies

Specificity	Clone	Format	Size	Cat. No.
α -Spectrin (SPTAN1)	1C2B10C3C11	Purified	100 μ g	671902
α -Spectrin (SPTAN1)	2A5A7H8	Purified	100 μ g	671802
α -Spectrin (SPTAN1)	8B8D10F11	Purified	100 μ g	671602
Ankyrin-B	N105/13	Purified	100 μ L	821401
Ankyrin-B	N105/17	Purified	100 μ L	821501
ASIC1 (brain sodium channel 2)	N271/44	Purified	100 μ L	833501
Bin-1 (Amphiphysin II)	2F11/Bin-1	Purified	1 ml	917002
CASK	K56A/50	Purified	100 μ L	830601
Doc2b (SNARE-related protein0)	N150/21	Purified	100 μ L	833201
Dopamine Transporter, EL2	Poly28163	Purified	100 μ L	816301
Dynamin-1	D5	Purified	100 μ L	817301
EGFR	AY13	Alexa Fluor [®] 488	25 tests 100 tests	352907 352908
		Alexa Fluor [®] 594	100 μ g	352916
		APC	25 tests 100 tests	352905 352906
		Brilliant Violet 421™	25 tests	352911
		PE	25 tests 100 tests	352903 352904
		PE/Cy7	25 tests 100 tests	352909 352910
		PerCP/Cy5.5	25 tests 100 tests	352913 352914
		Purified	25 μ g 100 μ g	352901 352902
EGFR Phosphorylated (Tyr1068)	Poly6563	Purified	200 μ L	656302
GRK (pan-reactive)	N145/20	Purified	100 μ L	833101
p38 MAPK Phospho (Thr180/Tyr182)	Poly29035	Purified	100 μ L	903501
SNAP-25	SMI 81	Purified	100 μ g	836304
SNAP-25	SP12	Purified	100 μ L	805001
Stonin-2 (Involved in endocytosis)	N346/9	Purified	100 μ L	804701
SVOP (Synaptic Vesicle 2-related protein)	N356/9	Purified	100 μ L	819901
Synaptobrevin	SP11	Purified	100 μ L	805101
Synaptobrevin (VAMP)	SP10	Ascites	500 μ L	837001
Synaptophysin	SP17	Ascites	500 μ L	837101
Synaptotagmin-7	3C2D4	Biotin	50 μ L	527705
		Purified	100 μ g	527702
Synaptotagmin-9	4E7E12H7B12	Purified	100 μ g	527802
Synaptotagmin-11	3E10H10D9	Purified	100 μ g	666602
Synaptotagmin-12	N277/7	Purified	100 μ L	820401
Syntaxin	SP8	Purified	100 μ L	827001
Tryptophan Hydroxylase	Poly28164	Purified	100 μ L	816401
Tyrosine Hydroxylase	2/40/15	Purified	100 μ L	818001
VGlut1	N28/9	Purified	100 μ L	821301
VGlut2	N29/29	Purified	100 μ L	832801
VGlut3	3D11	Purified	100 μ g	527602
WAVE1 (Actin-interacting protein)	K91/36	Purified	100 μ L	817901

Adhesion Molecule Antibodies

Specificity	Clone	Format	Size	Cat. No.		
AMIGO-1	L86/33	Purified	100 µL	827301		
AMIGO-1	L86/36	Purified	100 µL	804801		
AMIGO-1	L86A/37	Purified	100 µL	822101		
Brevican	N294A/6	Purified	100 µL	820101		
Cadherin 11	16G5	Alexa Fluor® 594	100 µg	368710		
		APC	25 tests 100 tests	368705 368706		
		PE	25 tests 100 tests	368703 368704		
		PE/Cy7	25 tests 100 tests	368707 368708		
		Purified	100 µg	368702		
CD29 (Integrin β1)	P5D2	Ascites	100 µL	921301		
CD49b (Integrin α2)	P1E6	Purified	100 µL	910901		
CD49c (integrin α3)	ASC-1	APC	100 tests	343808		
		PE	25 tests	343803		
		Purified	100 µg	343802		
CD49c (Integrin α3)	P1B5	Ascites	100 µL	921601		
CD49d	P4C2	Purified	100 µL	910101		
CD49E (Integrin α5)	P1D6	Purified	100 µg	921704		
CD51 (Integrin αvβ5)	P1F6	Alexa Fluor® 488	25 tests 100 tests	920009 920010		
		Alexa Fluor® 647	25 tests 100 tests	920005 920006		
		Ascites	100 µL	920001		
		PE	25 tests 100 tests	920007 920008		
		Purified	100 µg	920004		
CD56 (NCAM)	HCD56	Alexa Fluor® 488	25 tests 100 tests	318311 318312		
		Alexa Fluor® 647	25 tests 100 tests	318313 318314		
		Alexa Fluor® 700	25 µg 100 µg	318315 318316		
		APC	25 tests 100 tests	318309 318310		
		APC/Cy7	25 tests 100 tests	318331 318332		
		Biotin	25 µg 100 µg	318319 318320		
		Brilliant Violet 421™	25 tests 100 tests	318327 318328		
		Brilliant Violet 510™	25 tests 100 tests	318339 318340		
		Brilliant Violet 570™	25 tests 100 tests	318329 318330		
		Brilliant Violet 605™	25 tests 100 tests	318333 318334		
		Brilliant Violet 650™	25 tests 100 tests	318343 318344		
		Brilliant Violet 711™	25 tests 100 tests	318335 318336		
		FITC	25 tests 100 tests	318303 318304		
		LEAF™	500 µg	318324		
		Pacific Blue™	25 µg 100 µg	318325 318326		
		PE	25 tests 100 tests	318305 318306		
		PE/Cy5	100 tests	318308		
		PE/Cy7	25 tests 100 tests	318317 318318		
		PE/Dazzle™ 594	25 tests 100 tests	318347 318348		
		PerCP	25 tests 100 tests	318341 318342		
		PerCP/Cy5.5	25 tests 100 tests	318321 318322		
		Purified	100 µg	318302		
		Purified (MaxPar® Ready)	100 µg	318345		
		CD56 (NCAM)	5.1H11	Alexa Fluor® 488	25 tests 100 tests	362517 362518
				Alexa Fluor® 647	25 tests 100 tests	362513 362514
				Alexa Fluor® 700	25 tests 100 tests	362521 362522
				APC	25 tests 100 tests	362503 362504
APC/Cy7	25 tests 100 tests			362511 362512		
APC/Fire™ 750	25 tests 100 tests			362553 362554		
Biotin	25 µg 100 µg			362535 362536		
Brilliant Violet 421™	25 tests 100 tests			362551 362552		
Brilliant Violet 510™	25 tests 100 tests			362533 362534		
Brilliant Violet 570™	25 tests 100 tests			362539 362540		
Brilliant Violet 605™	25 tests 100 tests			362537 362538		
Brilliant Violet 650™	25 tests 100 tests	362531 362532				

Specificity	Clone	Format	Size	Cat. No.		
		Brilliant Violet 711™	25 tests 100 tests	362541 362542		
		Brilliant Violet 785™	25 tests 100 tests	362549 362550		
		FITC	25 tests 100 tests	362545 362546		
		Pacific Blue™	25 tests 100 tests	362519 362520		
		PE	25 tests 100 tests	362507 362508		
		100 µg		362524		
		PE/Cy5	25 tests 100 tests	362515 362516		
		PE/Cy7	25 tests 100 tests	362509 362510		
		PE/Dazzle™ 594	25 tests 100 tests	362543 362544		
		PerCP	25 tests 100 tests	362525 362526		
		PerCP/Cy5.5	25 tests 100 tests	362505 362506		
		Purified	100 µg	362502		
		Ultra-LEAF™	500 µg	362548		
CD56 (NCAM)	MEM-188	Alexa Fluor® 488	100 tests	304611		
		Alexa Fluor® 647	100 tests	304612		
		APC	100 tests	304610		
		Biotin	100 µg	304620		
		FITC	25 tests 100 tests	304603 304604		
		LEAF™	500 µg	304622		
		Pacific Blue™	100 µg 100 tests	304624 304629		
		PE	25 tests 100 tests	304605 304606		
		PE/Cy5	25 tests 100 tests	304607 304608		
		PE/Cy7	100 tests	304628		
		PerCP/Cy5.5	25 tests 100 tests	304625 304626		
CD56 (NCAM)	HCD56	Purified	25 µg 100 µg	304601 304602		
		Alexa Fluor® 488	25 tests 100 tests	318311 318312		
		Alexa Fluor® 647	25 tests 100 tests	318313 318314		
		Alexa Fluor® 700	25 µg 100 µg	318315 318316		
		APC	25 tests 100 tests	318309 318310		
		APC/Cy7	25 tests 100 tests	318331 318332		
		Biotin	25 µg 100 µg	318319 318320		
		Brilliant Violet 421™	25 tests 100 tests	318327 318328		
		Brilliant Violet 510™	25 tests 100 tests	318339 318340		
		Brilliant Violet 570™	25 tests 100 tests	318329 318330		
		Brilliant Violet 605™	25 tests 100 tests	318333 318334		
CD56 (NCAM)	39D5	Brilliant Violet 650™	25 tests 100 tests	318343 318344		
		Brilliant Violet 711™	25 tests 100 tests	318335 318336		
		FITC	25 tests 100 tests	318303 318304		
		LEAF™	500 µg	318324		
		Pacific Blue™	25 µg 100 µg	318325 318326		
		PE	25 tests 100 tests	318305 318306		
		PE/Cy5	100 tests	318308		
		PE/Cy7	25 tests 100 tests	318317 318318		
		PE/Dazzle™ 594	25 tests 100 tests	318347 318348		
		PerCP	25 tests 100 tests	318341 318342		
		PerCP/Cy5.5	25 tests 100 tests	318321 318322		
CD56 (NCAM)	RP-2	Purified	100 µg	206002		
		Purified (MaxPar® Ready)	100 µg	318345		
		PE	25 tests 100 tests	355503 355504		
		CD62P (P-selectin)	AK4	Alexa Fluor® 488	100 tests	304916
				Alexa Fluor® 647	100 tests	304918
				APC	100 tests	304910
				Biotin	100 µg	304914
				Brilliant Violet 421™	25 tests 100 tests	304925 304926
				Brilliant Violet 605™	25 tests 100 tests	304919 304920
				FITC	25 tests 100 tests	304903 304904
				LEAF™	50 µg	304911
PE	25 tests 100 tests			304905 304906		
PE/Cy5	100 tests			304908		
PE/Cy7	25 tests 100 tests			304921 304922		
PerCP/Cy5.5	25 tests 100 tests	304923 304924				
Purified	100 µg	304902				

Adhesion Molecule Antibodies (Continued)

Specificity	Clone	Format	Size	Cat. No.
CD62P (P-selectin)	RMP-1	APC	25 µg 100 µg	148303 148304
		PE	25 µg 100 µg	148305 148306
		PE/Cy7	25 µg 100 µg	148309 148310
		Purified	50 µg 500 µg	148301 148302
		Ultra-LEAF™	50 µg 500 µg	148307 148308
CD100 (SEMA4D)	BMA-12	APC	25 µg 100 µg	147605 147606
		FITC	25 µg 100 µg	147607 147608
		PE	25 µg 100 µg	147603 147604
		Purified	25 µg 100 µg	147601 147602
CD103 (aE Integrin)	OX-62	Alexa Fluor® 488	100 µg	205507
		Alexa Fluor® 647	100 µg	205509
		Biotin	100 µg	205503
CD103 (Integrin aE)	Ber-ACT8	FITC	100 µg	205505
		Alexa Fluor® 488	100 tests	350208
		Alexa Fluor® 647	25 tests 100 tests	350209 350210
		APC	25 tests 100 tests	350215 350216
		Biotin	100 µg	350220
		Brilliant Violet 421™	25 tests 100 tests	350213 350214
		Brilliant Violet 605™	25 tests 100 tests	350217 350218
		Brilliant Violet 711™	25 tests 100 tests	350221 350222
CD111 (Nectin-1)	R1.302	FITC	25 tests 100 tests	350203 350204
		PE	25 tests 100 tests	350205 350206
		PE/Cy7	25 tests 100 tests	350211 350212
		Purified	100 µg	350202
		PE	100 tests	340404
CD112 (Nectin-2)	TX31	Purified	100 µg	340402
		APC	25 tests 100 tests	337411 337412
		PE	25 tests 100 tests	337409 337410
		PE/Cy7	25 tests 100 tests	337413 337414
CD138 (Syndecan-1)	MI15	PerCP/Cy5.5	25 tests 100 tests	337415 337416
		Purified	100 µg	337402
		Alexa Fluor® 594	100 µg	356526
		Alexa Fluor® 647	25 tests 100 tests	356523 356524
		Alexa Fluor® 700	25 tests 100 tests	356511 356512
CD144 (VE-cadherin)	BV13	APC	25 tests 100 tests	356505 356506
		APC/Cy7	25 tests 100 tests	356527 356528
		Brilliant Violet 421™	25 tests 100 tests	356515 356516
		Brilliant Violet 510™	25 tests 100 tests	356517 356518
		Brilliant Violet 605™	25 tests 100 tests	356519 356520
		Brilliant Violet 711™	25 tests 100 tests	356521 356522
		FITC	25 tests 100 tests	356507 356508
		PE	25 tests 100 tests	356503 356504
		PE/Cy7	25 tests 100 tests	356513 356514
		PE/Dazzle™ 594	25 tests 100 tests	356529 356530
		PerCP/Cy5.5	25 tests 100 tests	356509 356510
		Purified	25 µg 100 µg	356501 356502
		CD171 (L1)	14.1	Alexa Fluor® 647
APC	25 µg 100 µg			138011 138012
Biotin	100 µg			138008
Brilliant Violet 421™	50 µg			138013
LEAF™	50 µg			138003
PE	25 µg 100 µg			138009 138010
PE/Cy7	25 µg 100 µg			138015 138016
Purified	50 µg 500 µg			138001 138002
CD171 (L1CAM)	74-5H7	Ascites	500 µL	838101
CD171 (L1CAM)	L1-OV198.5	PE	25 tests 100 tests	371603 371604
		Purified	100 µg	371602
CD171 (L1CAM)	O92G9	Purified	100 µg	686102

Specificity	Clone	Format	Size	Cat. No.
CD304 (Neuropilin-1)	12C2	Alexa Fluor® 647	25 tests 100 tests	354517 354518
		APC	25 tests 100 tests	354505 354506
		Biotin	100 µg	354522
		Brilliant Violet 421™	25 tests 100 tests	354513 354514
		Brilliant Violet 510™	25 tests	354515
		FITC	25 tests 100 tests	354511 354512
		Pacific Blue™	25 tests 100 tests	354519 354520
		PE	25 tests 100 tests	354503 354504
		PE/Cy7	25 tests 100 tests	354507 354508
		PerCP/Cy5.5	25 tests 100 tests	354509 354510
CD324 (E-Cadherin)	67A4	Purified	100 µg	354502
		Alexa Fluor® 488	100 tests	324110
		Alexa Fluor® 594	100 µg	324118
		Alexa Fluor® 647	100 tests	324112
		APC	25 tests 100 tests	324107 324108
		FITC	25 tests 100 tests	324103 324104
		PE	25 tests 100 tests	324105 324106
		PE/Cy7	25 tests 100 tests	324115 324116
CD324 (E-Cadherin)	DECMA-1	PerCP/Cy5.5	25 tests 100 tests	324113 324114
		Purified	25 µg 100 µg	324101 324102
		Alexa Fluor® 594	100 µg	147306
		Alexa Fluor® 647	25 µg 100 µg	147307 147308
		PE	25 µg 100 µg	147303 147304
CD325 (N-Cadherin)	13A9	PE/Cy7	25 µg 100 µg	147309 147310
		Purified	25 µg 100 µg	147301 147302
		Purified	100 µg	844702
CD325 (N-Cadherin)	8C11	Ultra-LEAF™	100 µg	844703
		Alexa Fluor® 488	25 tests 100 tests	350809 350810
CD334 (FGFR4)	4FR6D3	Alexa Fluor® 594	100 µg	350816
		APC	25 tests 100 tests	350807 350808
		LEAF™	500 µg	350804
		PE	100 tests 25 tests	350805 350806
		PE/Cy7	25 tests 100 tests	350811 350812
		PerCP/Cy5.5	25 tests 100 tests	350813 350814
		Purified	100 µg	350802
CD340 (erbB2/HER-2)	24D2	PE	25 tests 100 tests	324305 324306
		Purified	100 µg	324302
		Alexa Fluor® 488	100 tests	324410
		Alexa Fluor® 647	100 tests	324412
EphA2	SHM16	APC	25 tests 100 tests	324407 324408
		Brilliant Violet 421™	100 tests	324420
		FITC	100 tests	324404
		PE	25 tests 100 tests	324405 324406
		PE/Cy7	25 tests 100 tests	324413 324414
		PerCP/Cy5.5	25 tests 100 tests	324415 324416
		Purified	25 µg 100 µg	324401 324402
		PE	25 tests 100 tests	356803 356804
erbB3/HER-3	1B4C3	Purified	25 µg 100 µg	356801 356802
		APC	25 tests 100 tests	324707 324708
		Biotin	100 µg	324704
		PE	25 tests 100 tests	324705 324706
FGF-1-acidic	11A5C44	Purified	100 µg	324702
		Purified	100 µg	678602
		Purified	100 µg	685102
FGF-3	W15075A	Purified	100 µg	685102
FGF-4	2D1C57	Purified	100 µg	677402
FGF-basic	BHFB15	Purified	50 µg 500 µg	514801 514802
FGF-basic	JKFb-1	Purified	50 µg 500 µg	508601 508602
FGF-basic	JKFb-2	Purified	500 µg	508702
Integrin α9β1	Y9A2	Biotin	500 µg	351603
		LEAF™	50 µg	351605 351606
		PE	25 tests 100 tests	351602
Integrin β7	FIB27	Purified	100 µg	121010
		FITC	100 µg	121010
		LEAF™	50 µg	121003
		PE	25 µg 100 µg	121005 121006

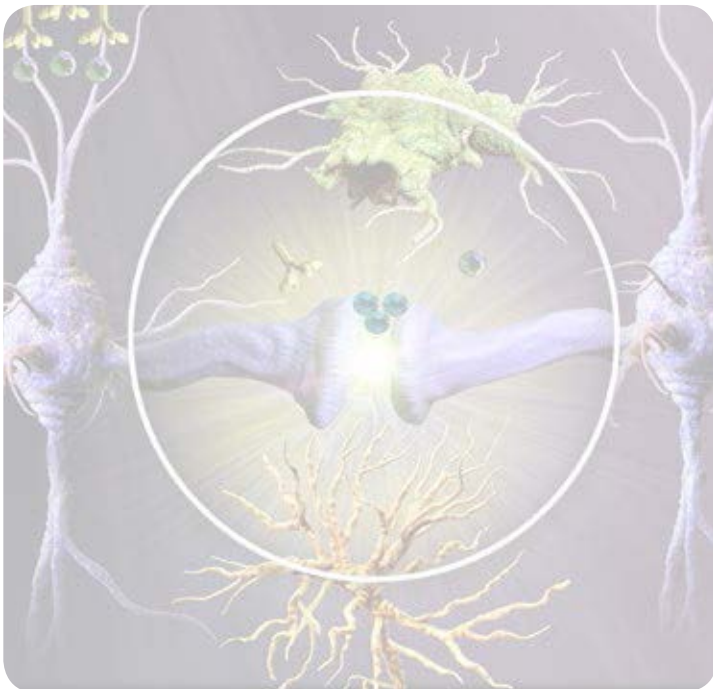
Specificity	Clone	Format	Size	Cat. No.
Integrin β7	FIB504	PerCP/Cy5.5	25 µg 100 µg	121007 121008
		APC	25 tests 100 tests	321207 321208
		Biotin	50 µg	321209
		FITC	100 tests 50 µg 500 µg	321212 321213 321214
		LEAF™	500 µg	321218
		PE	25 tests 100 tests	321203 321204
		PerCP/Cy5.5	25 tests 100 tests	321219 321220
		Purified	100 µg	321202
		APC	25 tests 100 tests	321207 321208
		Biotin	50 µg	321209
		FITC	100 tests 50 µg 500 µg	321212 321213 321214
		LEAF™	500 µg	321218
		PE	25 tests 100 tests	321203 321204
PerCP/Cy5.5	25 tests 100 tests	321219 321220		
Purified	100 µg	321202		
LPAM-1 (Integrin α4β7)	DATK32	APC	25 µg 100 µg	120607 120608
		Biotin	50 µg 200 µg	120611 120612
		PE	50 µg 200 µg	120605 120606
		Purified	500 µg	120602
Neurologin-1	N97A/31	Purified	100 µL	819001
Neurologin-3	N110/29	Purified	100 µL	822001
NrCAM	N343/26	Purified	100 µL	821601
p120 Catenin	2B12	Purified	100 µL	828301
Plexin B2	3E7	PE	50 µg 200 µg	145903 145904
		Purified	50 µg 500 µg	145901 145902
SALM2 (LRFN1)	N52B/27	Purified	100 µL	819301
SEMA4A	5E3/SEMA4A	PE	25 µg 100 µg	148403 148404
		Purified	100 µg	148402
SynCAM4	N244/5	Purified	100 µL	833301
α-E-Catenin	1G5	Purified	25 µg 100 µg	844801 844802
		Ultra-LEAF™	100 µg	844803
β Catenin 1 (CTNNB1)	12F7	Purified	100 µg	844602
		Ultra-LEAF™	100 µg	844603
γ-protocadherin (pan reactive)	N159/5	Purified	100 µL	831701
γ-protocadherin A (pan reactive)	N144/32	Purified	100 µL	819201
γ-protocadherin-B2	N148/30	Purified	100 µL	832701

Transcription Factor Antibodies

Specificity	Clone	Format	Size	Cat. No.
c-Fos (Transcription Factor)	Poly6414	Purified	25 µL 100 µL	641401 641402
DUX4 (Transcription activator)	P2B1	Ascites	100 µL	910003
		Purified	100 µg	910005
ER81 (Transcription Factor)	Poly8404	Serum	100 µL	840401
FMRP (Transcriptional repressor)	6B8/FMRP	Purified	100 µL	834601
FMRP (Transcriptional repressor)	5C2	Purified	100 µL	834701
HOX C8 (Transcription Factor)	C952-12E			
Hoxb-1 (Transcription Factor)	Poly19081	Purified	100 µL	908101
KIN-28	Poly19249	Serum	200 µL	924901
Msx-1 (Transcriptional repressor)	4F11			
Pax-2 (Transcription Factor)	Poly19010	Purified	200 µL	901001
Pax-6 (Transcription Factor)	Poly19013	Purified	100 µL	901301
STAT3	4G4B45	Alexa Fluor® 594	100 µg	678003
		Direct-Blot™	100 µL (20 Western blots)	678005
		PE	25 tests 100 tests	678007 678008
		Purified	100 µg	678002
STAT3	Poly6246	Purified	50 µL (5 Western Blots) 200 µL (20 Western Blots)	624601 624602
STAT3 (phospho Tyr 705)	13A3-1	Alexa Fluor® 488	25 tests 100 tests	651005 651006
		Alexa Fluor® 647	25 tests 100 tests	651007 651008
		Brilliant Violet 421™	25 tests 100 tests	651009 651010
		Direct-Blot™	100 µL (20 Western blots)	651011
		PE	25 tests 100 tests	651003 651004
		PE/Cy5	25 tests 100 tests	651013 651014
		Purified	25 µg 100 µg	651001 651002

Synaptic Biology ELISAs and Multiplex Assays

Description	Size	Cat. No.
Human FGF-basic ELISA MAX™ Deluxe	5 Plates 10 Plates 20 Plates	434311 434312 434313
Human FGF-basic ELISA MAX™ Deluxe	1 Pre-coated Plate 5 Pre-coated Plates	434309 434310
LEGENDplex™ Human Growth Factor Panel	100 tests	740180
LEGEND MAX™ Human Soluble Nogo-B ELISA Kit with Pre-coated Plates	1 Pre-coated Plate 5 Pre-coated Plates	432807 432808
LEGEND MAX™ Human sVCAM-1/CD106 ELISA Kit with Pre-coated Plates	1 Pre-coated Plate 5 Pre-coated Plates	440307 440308
LEGENDplex™ NHP Growth Factor Panel with Filter Plate	100 tests	740217
LEGENDplex™ NHP Growth Factor Panel with V-bottom Plate	100 tests	740386



Synaptic Biology Recombinant Proteins

Description	Size	Cat. No.	Description	Size	Cat. No.
Recombinant Human Activin A (Animal-Free)	10 µg	718502	Recombinant Human GDNF (Animal-Free)	10 µg	711002
Recombinant Human Activin A (carrier-free)	10 µg 25 µg 100 µg	592002 592004 592006 592008	Recombinant Human GDNF (carrier-free)	2 µg 10 µg	760401 760402
Recombinant Human Artemin (carrier-free)	5 µg 20 µg	756301 756303	Recombinant Human HB-EGF (carrier-free)	10 µg 25 µg	552002 552004
Recombinant Human BDNF (carrier-free)	2 µg 10 µg	760201 760202	Recombinant Human Heregulin-β1 (Animal-Free)	50 µg	711104
Recombinant Human BMP-4 (Animal-Free)	10 µg	710002	Recombinant Human Midkine (carrier-free)	10 µg 25 µg	754102 754104
Recombinant Human BMP-4 (carrier-free)	2 µg 10 µg	595201 595202	Recombinant Human NGFR (TNFRSF16)-Fc Chimera (carrier-free)	10 µg 25 µg 100 µg 500 µg	754002 754004 754006 754008
Recombinant Human BMP-5 (carrier-free)	2 µg 10 µg	595401 595402	Recombinant Human NNT-1 (BCSF-3) (carrier-free)	2 µg 10 µg	596901 596902
Recombinant Human BMP-6 (carrier-free)	2 µg 10 µg	595501 595502	Recombinant Human Noggin (carrier-free)	5 µg 20 µg	597002 597004
Recombinant Human BMP-7 (carrier-free)	2 µg 10 µg	595601 595602	Recombinant Human Nogo-B (ELISA Std.)	4 pack	592809
Recombinant Human BMP-9 (carrier-free)	10 µg 25 µg	553102 553104	Recombinant Human NRG1 (Heregulin) EGF Domain (carrier-free)	25 µg 100 µg	551904 551906
Recombinant Human BMP-10 (carrier-free)	10 µg 25 µg 100 µg 500 µg	751602 751604 751606 751608	Recombinant Human NT-3 (Animal-Free)	10 µg	712102
Recombinant Human BMP-13 (carrier-free)	10 µg 50 µg	595802 595804	Recombinant Human NT-3 (carrier-free)	2 µg 10 µg	598201 598202
Recombinant Human BMP-14 (GDF-5) (carrier-free)	10 µg 25 µg	752302 752304	Recombinant Human NT-4 (Animal-Free)	10 µg	712202
Recombinant Human CNTF (Animal-Free)	20 µg	710104	Recombinant Human NT-4 (carrier-free)	2 µg 10 µg	598301 598302
Recombinant Human CNTF (carrier-free)	10 µg 25 µg 100 µg 500 µg	559802 559804 559806 559808	Recombinant Human NTRK2 (TrkB) (carrier-free)	10 µg 25 µg 100 µg	557502 557504 557506
Recombinant Human EGF (Animal-Free)	500 µg	713008	Recombinant Human Neurturin (carrier-free)	5 µg 20 µg	760302 760304
Recombinant Human EGF (carrier-free)	100 µg 500 µg	585506 585508	Recombinant Human β-NGF (Animal-Free)	100 µg	711906
Recombinant Human EphA2 (carrier-free)	10 µg 25 µg 100 µg 500 µg	754502 754504 754506 754508	Recombinant Human OMG (carrier-free)	10 µg 25 µg 100 µg 500 µg	757502 757504 757506 757508
Recombinant Human Ephrin-A1 (carrier-free)	10 µg 25 µg 100 µg 500 µg	754902 754904 754906 754908	Recombinant Human Slit2-N (carrier-free)	5 µg 25 µg	757102 757104
Recombinant Human FGF-1-acidic (Animal-Free)	50 µg	710204	Recombinant Human Sonic Hedgehog (carrier-free)	10 µg 25 µg 100 µg	753502 753504 753506
Recombinant Human FGF-1-acidic (carrier-free)	10 µg 25 µg 100 µg 500 µg	599202 599204 599206 599208	Recombinant Human TAF2A2 (carrier-free)	10 µg 25 µg 100 µg	753702 753704 753706
Recombinant Human FGF-3 (carrier-free)	10 µg 25 µg 100 µg 500 µg	558002 558004 558006 558008	Recombinant Human VEGF-165 (Animal-Free)	10 µg	718302
Recombinant Human FGF-4 (Animal-Free)	25 µg	710404	Recombinant Human VEGF-165 (carrier-free)	10 µg 25 µg 100 µg 500 µg	583702 583704 583706 583708
Recombinant Human FGF-4 (carrier-free)	10 µg 25 µg 100 µg 500 µg	592202 592204 592206 592208	Recombinant Mouse BMP-4 (carrier-free)	2 µg 10 µg	595301 595302
Recombinant Human FGF-6 (carrier-free)	10 µg 25 µg 100 µg 500 µg	554202 554204 554206 554208	Recombinant Mouse BMP-9 (carrier-free)	10 µg 25 µg	553202 553204
Recombinant Human FGF-9 (Animal-Free)	20 µg	710604	Recombinant Mouse EGF (Animal-Free)	500 µg	713108
Recombinant Human FGF-9 (carrier-free)	10 µg 25 µg 100 µg 500 µg	558702 558704 558706 558708	Recombinant Mouse EGF (carrier-free)	100 µg 500 µg	585606 585608
Recombinant Human FGF-10 (Animal-Free)	25 µg	710704	Recombinant Mouse Ephrin-A1 (carrier-free)	10 µg 25 µg 100 µg 500 µg	755002 755004 755006 755008
Recombinant Human FGF-10 (carrier-free)	10 µg 25 µg 100 µg 500 µg	559302 559304 559306 559308	Recombinant Mouse FGF-1-acidic (carrier-free)	10 µg 25 µg 100 µg 500 µg	750902 750904 750906 750908
Recombinant Human FGF-17 (carrier-free)	10 µg 25 µg 100 µg 500 µg	556302 556304 556306 556308	Recombinant Mouse FGF-10 (carrier-free)	10 µg 25 µg 100 µg 500 µg	751002 751004 751006 751008
Recombinant Human FGF-18 (carrier-free)	10 µg 25 µg 100 µg 500 µg	753302 753304 753306 753308	Recombinant Mouse FGF-17 (carrier-free)	25 µg 100 µg 500 µg	751104 751106 751108
Recombinant Human FGF-21 (carrier-free)	10 µg 25 µg 100 µg 500 µg	553802 553804 553806 553808	Recombinant Mouse FGF-basic (Animal-Free)	50 µg	713204
Recombinant Human FGF-basic (146 aa) (Animal-Free)	50 µg	713304	Recombinant Mouse FGF-basic (carrier-free)	10 µg 25 µg 100 µg 500 µg	579602 579604 579606 579608
Recombinant Human FGF-basic/145aa (ELISA Std.)	10 µg 25 µg 100 µg 500 µg	571502 571504 571506 571508	Recombinant Mouse Glypican-1 (carrier-free)	10 µg 25 µg 100 µg 500 µg	757302 757304 757306 757308
Recombinant Human FGF-basic/145aa (ELISA Std.)	4 pack	571509	Recombinant Mouse Noggin (Animal-Free)	20 µg	712004
Recombinant Human FGF-basic (154 aa) (Animal-Free)	50 µg	710304	Recombinant Mouse Noggin (carrier-free)	5 µg 20 µg	597102 597104
Recombinant Human FGFR3 (IIIc)-Fc Chimera (carrier-free)	10 µg 25 µg 100 µg 500 µg	751902 751904 751906 751908	Recombinant Mouse β-NGF (carrier-free)	5 µg 20 µg	598102 598104
Recombinant Human FGFR4-Fc Chimera (carrier-free)	10 µg 25 µg 100 µg 500 µg	752502 752504 752506 752508	Recombinant Mouse OMG (carrier-free)	10 µg 25 µg 100 µg 500 µg	757602 757604 757606 757608
Recombinant Human Glypican-1 (carrier-free)	10 µg 25 µg 100 µg 500 µg	757202 757204 757206 757208	Recombinant Mouse Persephin (carrier-free)	5 µg 20 µg	598402 598404
Recombinant Human Glypican-3 (carrier-free)	10 µg 25 µg 100 µg 500 µg	758102 758104 758106 758108	Recombinant Mouse P-Selectin (CD62P)-Fc Chimeric (carrier-free)	10 µg 25 µg	755402 755404
Recombinant Human Gremlin-1 (carrier-free)	10 µg 50 µg	596202 596204	Recombinant Mouse Sonic Hedgehog (Shh) (Cys25-Gly198) (carrier-free)	10 µg 25 µg 100 µg	754702 754704 754706
			Recombinant Mouse Sonic Hedgehog (Shh) (Cys25/(Ile-Ile)-Gly198) (carrier-free)	10 µg 25 µg 100 µg	754602 754604 754606
			Recombinant Rat EGF (carrier-free)	10 µg 25 µg 100 µg 500 µg	558902 558904 558906 558908

Neuroscience Cell Markers

BioLegend offers an extensive collection of cell surface, cytoskeletal and organelle markers. These markers enable researchers to distinguish neuronal and glial cell types in tissue sections or cell culture applications. BioLegend is proud to offer SMI® monoclonal antibodies, originally developed by Dr. Ludwig Sternberger. These antibodies have become the gold standard as neural and glial markers and have an extensive publication history in scientific literature.

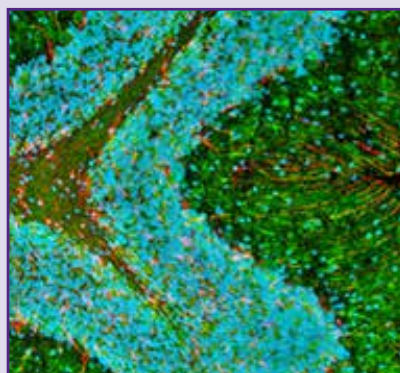
Glial Fibrillary Acidic Protein

Glial fibrillary acidic protein (GFAP) is a member of the intermediate filament (IF) family of proteins, and is specifically expressed in astrocytes. IF proteins, together with microtubules and microfilaments, form an interconnected network of the cytoskeleton, which gives cells their form, shape and function. Astrocytes respond to many damage and disease states resulting in "astrogliosis" or the presence of a "glial response". GFAP antibodies are widely used to detect reactive astrocytes which form part of this response, since these cells express higher levels of GFAP than ramified astrocytes. GFAP is also a major component of the so-called glial scar, an astrocyte-rich structure apparently forming part of the barrier to nerve fiber regeneration following damage in the central nervous system. Neural stem cells frequently express GFAP. Antibodies to GFAP are therefore very useful as markers of normal and reactive astrocytic cells and neural stem cells.

Antibodies to GFAP

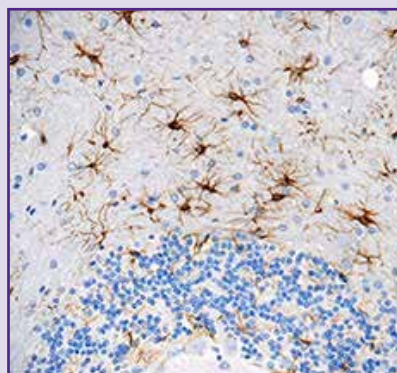
Specificity	Clone	Format	Size	Cat. No.
GFAP	2E1.E9	Purified	25 µg 100 µg	644701 644702
		Alexa Fluor® 488	100 µg	644704
		Alexa Fluor® 594	100 µg	644708
		Alexa Fluor® 647	100 µg	644706
		Brilliant Violet 421™	100 µg	644710
		MCA-5C10	Tissue Culture Supernatant	200 µL
	Poly28294	Purified	100 µL	829401
	Poly28400	Serum	100 µL	840001
	15C7D5D2	Purified	100 µg	672402
	SMI 21	Ascites	100 µL 500 µL	837201 837202
SMI 22	Ascites	100 µL	835301	
SMI 23	Ascites	100 µL 500 µL	837301 837302	
SMI 24	Ascites	100 µL	837401	
SMI 25	Ascites	100 µL 500 µL	837501 837502	
SMI 26	Ascites	100 µL 500 µL	837601 837602	

GFAP (clone SMI 22)



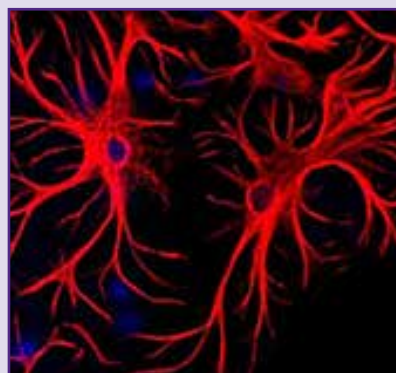
Rat brain tissue co-stained with anti-GFAP (clone SMI 22, green) and anti-Neurofilament H (clone Poly28226, red) antibodies. Nuclear staining is shown in blue (Hoechst). Photo courtesy of Molecular Expressions.

GFAP (clone MCA-5C10)



Formalin-fixed paraffin-embedded rat brain tissue stained with anti-GFAP antibody (clone MCA-5C10). Nuclei were counterstained with Hoechst and are shown in blue.

GFAP (Poly28294)



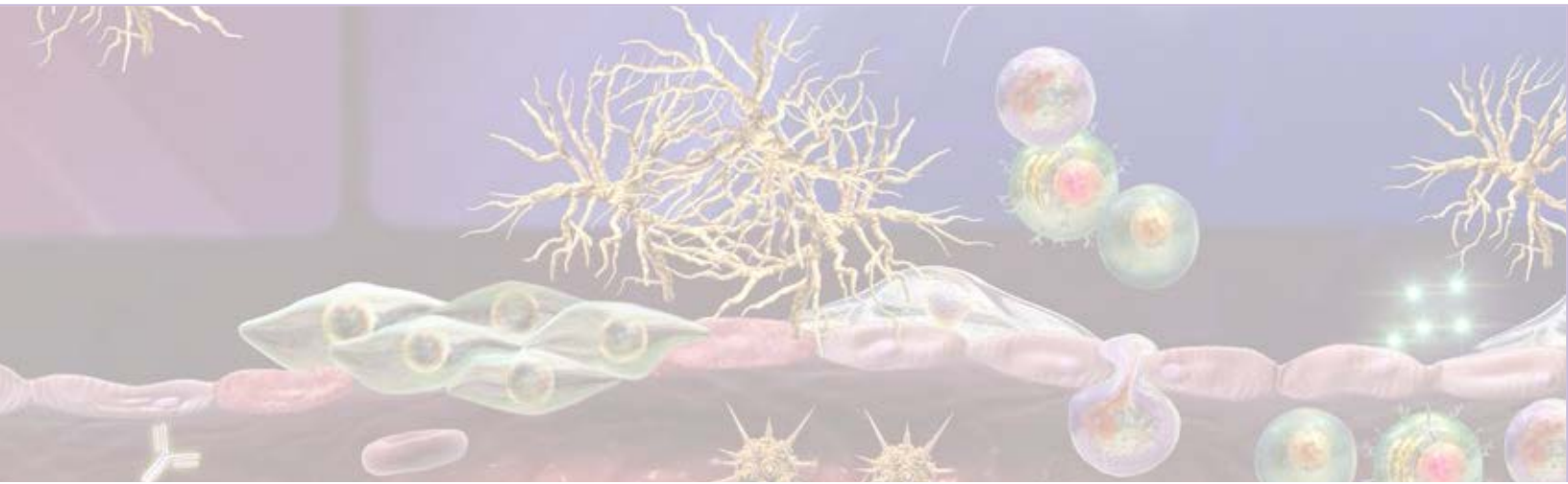
Rat glial cells in mixed culture stained with anti-GFAP antibody (Poly28294, red). Nuclei were counterstained with Hoechst and are shown in blue.

Nestin

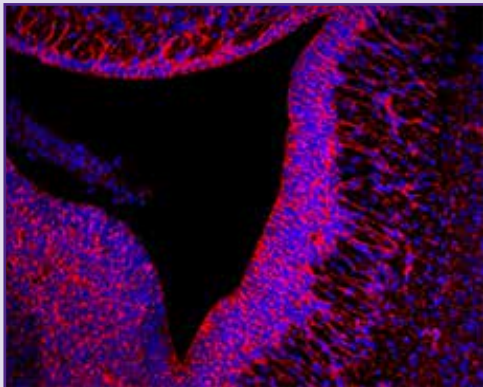
Nestin is a class IV intermediate filament (IF) protein of approximately 240 kD. Nestin interacts with other IF proteins including vimentin, desmin and internexin to form heterodimers and mixed polymers. Nestin is expressed in a variety of neural stem and progenitor cells, and in early stages of development in the central nervous system (CNS). Upon differentiation, and during neuro- and gliogenesis, nestin is replaced by cell type-specific intermediate filaments such as neurofilaments and glial fibrillary acidic protein (GFAP). Nestin distribution and expression pattern in proliferating cells suggests that it participates in structural organization of the cell by regulating the assembly and disassembly of intermediate filaments. The function of nestin itself is highly regulated by phosphorylation. Nestin expression is induced in adults under pathological conditions such as glial scar formation after CNS injury. Antibodies against nestin can be used as a predominant marker to describe stem and neural progenitor cells in the mammalian CNS.

Antibodies to Nestin

Specificity	Clone	Format	Size	Cat. No.
Nestin	10C2	Purified	25 µg 100 µg	656801 656802
		Alexa Fluor® 594	100 µg	656804
		Alexa Fluor® 647	100 µg	656810
		Brilliant Violet 421™	100 µg	656808
		PE	25 tests 100 tests	656805 656806
		Direct-Blot™ HRP	100 µL	656811
Nestin	Poly18419	Serum	100 µL	841901
Nestin	Rat-401	Purified	100 µg	655102
Nestin Tail	Nestin 20	Serum	100 µL	839801
Nestin, C-terminus	Nestin 16	Serum	100 µL	841801
Nestin, Repeat region	Nestin 18	Serum	100 µL	841701
Nestin, Repeat region	Nestin 24	Serum	100 µL	841601

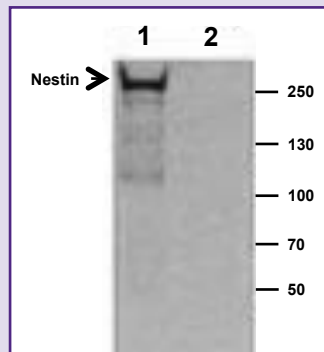


Nestin (clone nestin 20)



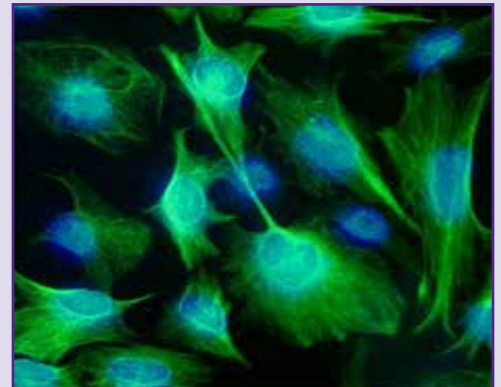
Day 2 neonatal mouse brain section stained with anti-Nestin antibody (clone nestin 20, magenta). Nuclei were counterstained with DAPI (blue). Photo courtesy of R. Feuer.

Nestin (clone Rat-401)



Western blot analysis of anti-nestin antibody (clone Rat-401). Lane 1: Day 3 newborn mouse brain lysate; Lane 2: Adult mouse brain lysate.

Nestin (Poly18419)

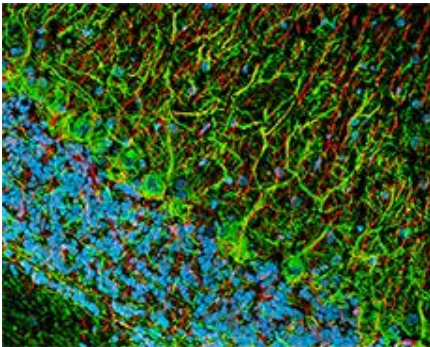


U251 cells (human glioblastoma) stained with anti-nestin antibody (Poly18419, green). Nuclei were counterstained with bisbenzimidide (blue). Photo courtesy of J. Hou, NIH.

Neurofilaments

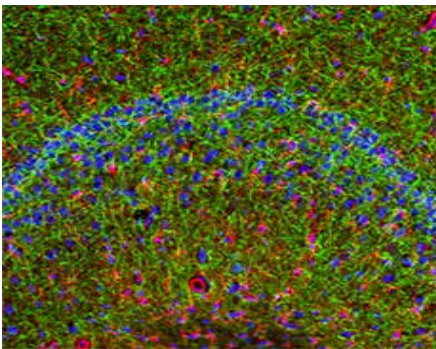
Neurofilaments (NFs) are ~10 nanometer, type IV intermediate filaments expressed in neurons. NFs are the major components of the neuronal cytoskeleton, and primarily function to provide structural support for axons and regulate axonal diameter. There are three major mammalian neurofilament subunits which are named based on their apparent molecular weight: 1) neurofilament light (NF-L, ~70 kD), 2) neurofilament medium (NF-M, ~145-160 kD), and 3) neurofilament heavy (NF-H, ~200-220 kD). Neurofilaments are extensively phosphorylated, and their phosphorylation status plays an important role in the modulation of their function. Abnormal NF modifications, mutations, and accumulation have been associated with neurodegenerative diseases. NF immunostaining is commonly used as a diagnostic marker for neuropathology detection. NFs are also useful for differentiating neurons (positive for NF) from glia (negative for NF).

Pan-Neuronal Neurofilament Marker



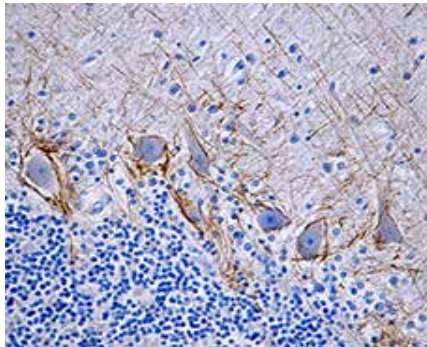
Rat brain tissue section co-stained with anti-pan Neurofilament (clone SMI 311, green) and anti-GFAP antibodies (Poly28400, red). Nuclei were counterstained with Hoechst and are shown in blue. Photo courtesy of Molecular Expressions.

Pan-Neuronal Neurofilament Marker



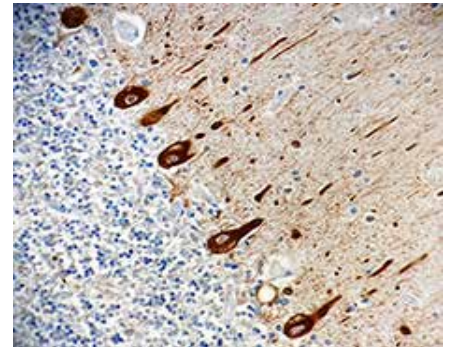
Rat hippocampal tissue section co-stained with anti-Neurofilament H (Poly28226, green) and anti-GFAP (Poly28400, red,) antibodies. Nuclei were counterstained with Hoechst and are shown in blue. Photo courtesy of Molecular Expressions.

Neurofilament H, Phosphorylated



IHC staining of human cerebellum tissue with anti-Neurofilament H antibody (clone SMI 34) followed by counterstaining with hematoxylin.

Neurofilament H&M, Non-Phosphorylated



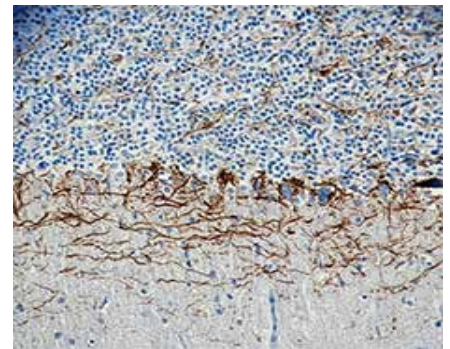
IHC staining of human cerebellum tissue with anti-Neurofilaments H & M antibody (clone SMI 33) followed by counterstaining with hematoxylin.

Neurofilament L, Non-Phosphorylated



IHC staining of human cerebellum tissue with anti-Neurofilament L antibody (clone NFL1) followed by hematoxylin counterstaining.

Neurofilament H&M, Phosphorylated



IHC staining of human cerebellum tissue with anti-Neurofilament H & M antibody (clone SMI 310) followed by counterstaining with hematoxylin.

Antibodies to Non-Phosphorylated Neurofilaments Proteins

Specificity	Clone	Format	Size	Cat. No.
Neurofilament H (NF-H)	Poly28226	Purified	100 µL	822601
	SMI 32	Purified	100 µL	801701
	SMI 37	Ascites	100 µL	835801
	SMI 38	Ascites	100 µL	835901
	SMI 39	Ascites	100 µL 500 µL	836001 836002
Neurofilament H & M (NF-H/NF-M)	SMI 33	Ascites	100 µL	835401
	RMdO-20	Ascites	200 µL	801901
Neurofilament L (NF-L)	NFL1	Purified	100 µg	845802
	NFL2	Purified	100 µg	846002
	NFL3	Purified	100 µg	845902
Neurofilament M (NF-M)	Poly28410	Serum	100 µL	841001
	Poly28227	Purified	100 µL	822701

Antibodies to Phosphorylated Neurofilaments Proteins

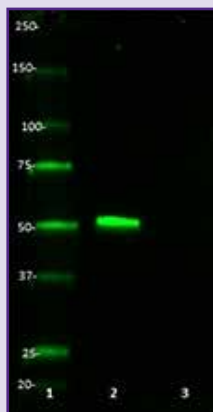
Specificity	Clone	Format	Size	Cat. No.
Neurofilament H (NF-H)	SMI 31	Purified	100 µL	801601
	SMI 34	Purified	100 µg	835503
	SMI 36	Purified	100 µg	835703
	Poly28408	Serum	100 µL	840801
Neurofilament H & M (NF-H/NF-M)	SMI 35	Ascites	100 µL 500 µL	835601 835602
		Purified	100 µg	835604
	SMI 310	Ascites	100 µL 500 µL	837701 837702
Neurofilament Marker (pan-neuronal, cocktail)		Purified	100 µg	837704
	SMI 311	Ascites	100 µL 500 µL	837801 837802
	SMI 312	Purified	100 µg	837904



Tubulins

Tubulins belong to a superfamily of globular proteins that comprises α -, β -, γ -, δ -, ϵ - and ζ -tubulins. The α - and β -tubulins share 40% amino acid sequence homology, and both exist in several isoforms. They are the main constituents of microtubules (MTs), which are the major components of the cytoskeleton essential for intracellular transport. Microtubule assembly is a dynamic process where α - and β -tubulin polymerize to form dimers that get incorporated into the MTs. Tubulins are subject to post-translational modifications (PTMs) such as detyrosination, glutamylation and acetylation. Some PTMs such as detyrosination reduce microtubule depolymerization, leading to MT stability. Alterations in MT dynamics and stability is a common feature of many neurodegenerative disorders, and is associated with the 'dying-back' of axons. Class III β -tubulin is abundantly expressed in neurons and is commonly used as a neuronal cell marker.

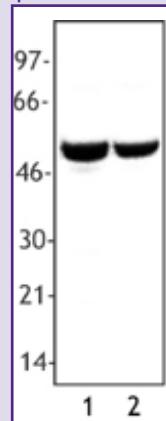
β -Tubulin III



Western blot analysis demonstrating the specificity of anti- β -Tubulin III antibody (clone TUJ1 1-15-56):

Ln 1: Molecular weight marker; Ln 2: Rat Brain lysate; Ln 3: BSA negative control.

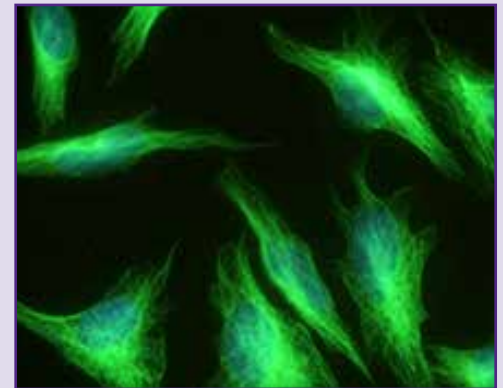
γ -Tubulin



Western blot analysis demonstrating the specificity of anti- γ -tubulin antibody (Poly6209):

Ln 1: A431 cell lysate; Ln 2: NIH3T3 cell lysate.

β -Tubulin III, Polymerized



HeLa cells stained with anti-polymerized Beta Tubulin III (clone SMI 62).

Antibodies to Tubulin Proteins

Specificity	Clone	Format	Size	Cat. No.
β-Tubulin	TU27/Tu-tubulin	Purified	250 μL	903401
β-Tubulin II B (TUBB2B)	6B1	Purified	200 μL	909201
	7B9	Purified	200 μL	909101
β-Tubulin III (TUBB3)	AA10	Purified	25 μg 100 μg	657401 657402
		Alexa Fluor®488	25 μg 100 μg	657403 657404
		Alexa Fluor® 594	100 μg	657408
		Alexa Fluor® 647	25 μg 100 μg	657405 657406
		Direct-Blot™ HRP	100 μL	657409
β-Tubulin III (TUBB3)	TUJ1 1-15-56	Purified	25 μg 100 μg	845501 845502
β-Tubulin III (TUBB3)	TUJ1	Purified	100 μL 250 μL	801201 801202
		Alexa Fluor®488	100 μL	801203
β-Tubulin III (TUBB3)	Poly18020	Purified	100 μL	802001
β-Tubulin III, Depolymerized	SMI 61	Ascites	500 μL	920801
β-Tubulin III, Polymerized	SMI 62	Ascites	500 μL	921001
α-Tubulin	10D8	Purified	25 μg 100 μg	627901 627902
		Alexa Fluor® 488	25 μg 100 μg	627905 627906
		Alexa Fluor® 594	100 μg	627910
		Alexa Fluor® 647	100 μg	627908
		Biotin	25 μg 100 μg	627903 627904
α-Tubulin	AA13	Purified	100 μL	909601
α-Tubulin	TU-01	Purified	25 μ 100 μg	625901 625902
α-Tubulin, Detyrosinated	AA12	Purified	100 μL	909501
γ-Tubulin	14C11	Purified	25 μg	629201
	Poly6209	Purified	50 μL 200 μL	620901 620902

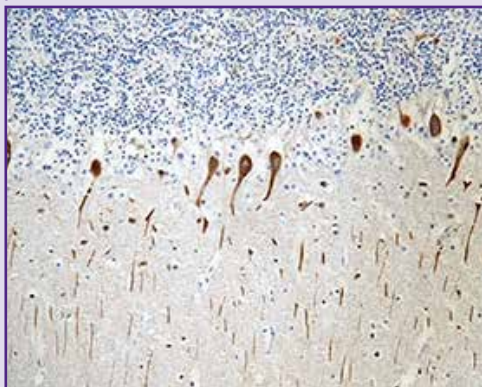
Tubulin Peptide

Description	Size	Cat. No.
rHuman β-Tubulin III (TUBB3) Peptide	1 mg	843601

Cellular Marker Antibodies

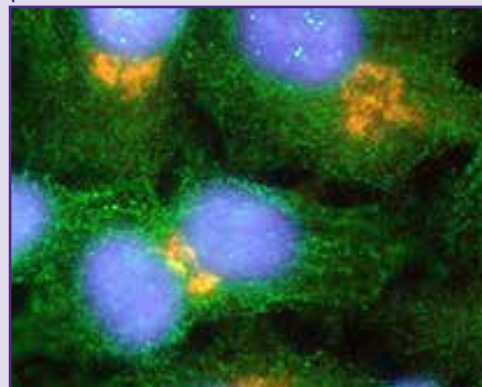
Specificity	Clone	Format	Size	Cat. No.
A2B5	105	Alexa Fluor® 647	25 μg 100 μg	150703 150704
		Purified	100 μg	150702
ABCA3	3C9	Purified	100 μL	911001
Blood-Brain Barrier	SMI 71	Ascites	100 μL 500 μL	836801 836802
CCR8	L263G8	Biotin	100 μg	360606
		PE	25 tests 100 tests	360603 360604
		Purified	100 μg	360602
CD11b	M1/70	Alexa Fluor® 488	100 μg 25 μg	101217 101219
		Alexa Fluor® 594	100 μg	101254
		Alexa Fluor® 647	100 μg 25 μg	101218 101220
		Alexa Fluor® 700	100 μg	101222
		APC	25 μg 100 μg	101211 101212
		APC/Cy7	25 μg 100 μg	101225 101226
		APC/Fire™ 750	25 μg 100 μg	101261 101262
		Biotin	50 μg 500 μg	101203 101204
		Brilliant Violet 421™	125 μL 500 μL	101235 101236
		Brilliant Violet 510™	125 μL 50 μg	101245 101263
		Brilliant Violet 570™	125 μL	101233
		Brilliant Violet 605™	125 μL 50 μg	101237 101257
		Brilliant Violet 650™	125 μL 50 μg	101239 101259
		Brilliant Violet 711™	125 μL 50 μg	101241 101242
		Brilliant Violet 785™	50 μg	101243
		FITC	50 μg 500 μg	101205 101206
		LEAF™	50 μg 500 μg	101213 101214
			1 mg	101231
		Pacific Blue™	25 μg 100 μg	101223 101224
		PE	50 μg 200 μg	101207 101208
		PE/Cy5	25 μg 100 μg	101209 101210
		PE/Cy7	25 μg 100 μg	101215 101216
		PE/Dazzle™ 594	25 μg 100 μg	101255 101256
		PerCP	25 μg 100 μg	101229 101230
		PerCP/Cy5.5	25 μg 100 μg	101227 101228
		Purified	50 μg 500 μg	101201 101202
		Purified (MaxPar® Ready)	100 μg	101249
		Ultra-LEAF™	1 mg	101248

β-Tubulin III



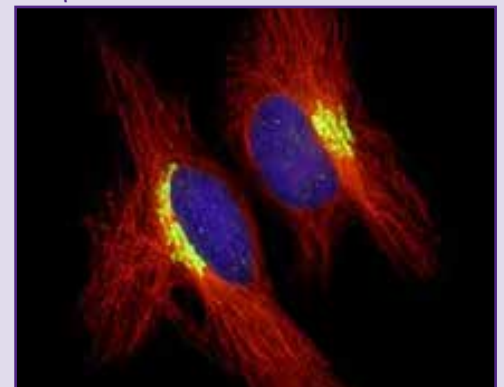
IHC staining of formalin-fixed paraffin-embedded healthy human brain tissue with anti-β-Tubulin III antibody (clone TUJ1 1-15-56) followed by counterstaining with hematoxylin.

β-Tubulin IIB



HeLa cells co-stained with anti-β tubulin IIB (clone 7B9, green) and anti-giantin (Poly19243, orange) antibodies. Nuclei were counterstained with DAPI (blue)

Pan β-Tubulin



HeLa cells co-stained with anti-pan β tubulin (clone TU27, red) and anti-giantin (Poly19243, green) antibodies. Nuclei were counterstained with DAPI (blue).

Cellular Marker Antibodies (Continued)

Specificity	Clone	Format	Size	Cat. No.
CD11b	ICRF44	Alexa Fluor® 488	25 tests 100 tests	301317 301318
		Alexa Fluor® 594	100 µg	301340
		Alexa Fluor® 647	25 tests	301319
		APC	25 tests 100 tests 100 µg	301309 301310 301350
		APC/Cy7	25 tests 100 tests	301341 301342
		APC/Fire™ 750	25 tests 100 tests	301351 301352
		Biotin	100 µg	301304
		Brilliant Violet 421™	25 tests 100 tests	301323 301324
		Brilliant Violet 510™	25 tests 100 tests	301333 301334
		Brilliant Violet 570™	25 tests	301325
		Brilliant Violet 605™	25 tests 100 tests	301331 301332
		Brilliant Violet 650™	25 tests 100 tests	301335 301336
		Brilliant Violet 711™	25 tests 100 tests	301343 301344
		Brilliant Violet 785™	25 tests 100 tests	301345 301346
		FITC	25 tests 100 tests	301329 301330
		LEAF™	50 µg 500 µg	301311 301312
		Pacific Blue™	100 µg 25 µg	301315 301316
		PE	25 tests 100 tests	301305 301306
		PE/Cy5	25 tests 100 tests	301307 301308
		PE/Cy7	25 tests 100 tests	301321 301322
PE/Dazzle™ 594	25 tests 100 tests	301347 301348		
PerCP/Cy5.5	25 tests 100 tests	301327 301328		
Purified	100 µg	301302		
Purified (MaxPar® Ready)	100 µg	301337		
CD11b (activated)	CBRM1/5	APC	25 tests 100 tests	301409 301410
		FITC	25 tests 100 tests	301403 301404
		LEAF™	50 µg	301407
		PE	25 tests 100 tests	301405 301406
		PE/Cy7	25 tests 100 tests	301411 301412
CD11b/c	OX-42	Purified	100 µg	301402
		Alexa Fluor® 488	100 µg	201812
		Alexa Fluor® 647	100 µg	201814
		APC	50 µg	201809
		Biotin	100 µg	201803
		FITC	100 µg	201805
		PE	50 µg	201807
		PE/Cy7	25 µg 100 µg	201817 201818
CD11c	N418	PerCP/Cy5.5	25 µg 100 µg	201819 201820
		Purified	100 µg	201801
CD11c	N418	Alexa Fluor® 488	100 µg 25 µg	117311 117313
		Alexa Fluor® 594	100 µg	117346
		Alexa Fluor® 647	100 µg 25 µg	117312 117314
		Alexa Fluor® 700	25 µg 100 µg	117319 117320
		APC	25 µg 100 µg	117309 117310
		APC/Cy7	25 µg 100 µg	117323 117324
		APC/Fire™ 750	25 µg 100 µg	117351 117352
		Biotin	50 µg 500 µg	117303 117304
		Brilliant Violet 421™	125 µL 500 µL 50 µg	117329 117330 117343
		Brilliant Violet 510™	125 µL 500 µL	117337 117338
		Brilliant Violet 570™	125 µL	117331
		Brilliant Violet 605™	125 µL 50 µg	117333 117334
		Brilliant Violet 650™	50 µg	117339
		Brilliant Violet 711™	50 µg	117349
		Brilliant Violet 785™	125 µL 50 µg	117335 117336
		FITC	50 µg 500 µg	117305 117306
		Pacific Blue™	25 µg 100 µg	117321 117322
PE	50 µg 200 µg	117307 117308		
PE/Cy5	100 µg	117316		

Specificity	Clone	Format	Size	Cat. No.		
CD11c	3.9	PE/Cy7	25 µg 100 µg	117317 117318		
		PE/Dazzle™ 594	25 µg 100 µg	117347 117348		
		PerCP	25 µg 100 µg	117325 117326		
		PerCP/Cy5.5	25 µg 100 µg	117327 117328		
		Purified	50 µg 500 µg	117301 117302		
		Purified (MaxPar® Ready)	100 µg	117341		
		Alexa Fluor® 488	25 tests 100 tests	301617 301618		
		Alexa Fluor® 647	25 tests 100 tests 100 µg	301619 301620 301622		
		APC	25 tests 100 tests	301613 301614		
		Biotin	100 µg	301612		
		Brilliant Violet 421™	25 tests 100 tests	301627 301628		
		Brilliant Violet 510™	25 tests 100 tests	301633 301634		
		Brilliant Violet 605™	25 tests 100 tests	301635 301636		
		Brilliant Violet 650™	25 tests 100 tests	301637 301638		
		CD11c	Bu15	Brilliant Violet 711™	25 tests 100 tests	301629 301630
Brilliant Violet 785™	25 tests 100 tests			301643 301644		
FITC	25 tests 100 tests			301603 301604		
LEAF™	500 µg			301616		
Pacific Blue™	25 tests 100 tests			301625 301626		
PE	25 tests 100 tests			301605 301606		
PE/Cy5	25 tests 100 tests			301609 301610		
PE/Cy7	25 tests 100 tests			301607 301608		
PE/Dazzle™ 594	25 tests 100 tests			301641 301642		
PerCP/Cy5.5	25 tests 100 tests			301623 301624		
Purified	25 µg 100 µg			301601 301602		
Purified (MaxPar® Ready)	100 µg			301639		
Ultra-LEAF™	1 mg			301632		
CD11c	Bu15			Alexa Fluor® 488	25 tests 100 tests	337235 337236
				Alexa Fluor® 647	25 tests 100 tests	337229 337230
		Alexa Fluor® 700	25 tests 100 tests	337219 337220		
		APC	25 tests 100 tests	337207 337208		
		APC/Cy7	25 tests 100 tests	337217 337218		
		Biotin	100 µg	337232		
		Brilliant Violet 421™	25 tests 100 tests	337225 337226		
		FITC	25 tests 100 tests	337213 337214		
		Pacific Blue™	100 tests	337212		
		PE	25 tests 100 tests 100 µg	337205 337206 337224		
		PE/Cy7	25 tests 100 tests	337215 337216		
		PE/Dazzle™ 594	25 tests 100 tests	337227 337228		
		PerCP	25 tests 100 tests	337233 337234		
		PerCP/Cy5.5	25 tests 100 tests	337209 337210		
		CD25	BC96	Purified	100 µg	337202
Purified (MaxPar® Ready)	100 µg			337221		
Alexa Fluor® 488	25 tests 100 tests			302615 302616		
Alexa Fluor® 647	25 tests 100 tests			302617 302618		
Alexa Fluor® 700	25 µg 100 µg			302621 302622		
APC	25 tests 100 tests			302609 302610		
APC/Cy7	25 tests 100 tests			302613 302614		
Biotin	100 µg			302624		
Brilliant Violet 421™	25 tests 100 tests			302629 302630		
Brilliant Violet 510™	25 tests 100 tests			302639 302640		
Brilliant Violet 605™	25 tests 100 tests			302631 302632		
Brilliant Violet 650™	25 tests 100 tests			302633 302634		
Brilliant Violet 711™	25 tests 100 tests			302635 302636		
Brilliant Violet 785™	25 tests 100 tests			302637 302638		
FITC	25 tests 100 tests			302603 302604		
Pacific Blue™	100 µg 100 tests	302620 302627				
PE	25 tests 100 tests	302605 302606				
PE/Cy5	25 tests 100 tests	302607 302608				

Specificity	Clone	Format	Size	Cat. No.
		PE/Cy7	25 tests 100 tests	302611 302612
		PerCP/Cy5.5	25 tests 100 tests	302625 302626
		Purified	100 µg	302602
CD25	M-A251	Alexa Fluor® 488	25 tests 100 tests	356115 356116
		Alexa Fluor® 647	25 tests 100 tests	356127 356128
		Alexa Fluor® 700	25 tests 100 tests	356117 356118
		APC	25 tests 100 tests	356109 356110
		APC/Cy7	25 tests 100 tests	356121 356122
		APC/Fire™ 750	25 tests 100 tests	356135 356136
		Biotin	25 µg 100 µg	356123 356124
		Brilliant Violet 421™	25 tests 100 tests	356113 356114
		Brilliant Violet 510™	25 tests 100 tests	356119 356120
		FITC	25 tests 100 tests	356105 356106
		Pacific Blue™	25 tests 100 tests	356129 356130
		PE	25 tests 100 tests	356103 356104
		PE/Cy7	25 tests 100 tests	356107 356108
		PE/Dazzle™ 594	25 tests 100 tests	356125 356126
		PerCP	25 tests 100 tests	356131 356132
		PerCP/Cy5.5	25 tests 100 tests	356111 356112
		Purified	25 µg 100 µg	356101 356102
CD40	1C10	LEAF™	50 µg 500 µg	102809 102810
		Purified	500 µg	102802
		Ultra-LEAF™	1 mg	102812
CD40	3/23	Alexa Fluor® 647	25 µg 100 µg	124613 124614
		APC	25 µg 100 µg	124611 124612
		Biotin	50 µg 500 µg	124605 124606
		FITC	50 µg 500 µg	124607 124608
		LEAF™	500 µg 1 mg	124604 124619
		Pacific Blue™	25 µg 100 µg	124625 124626
		PE	25 µg 100 µg	124609 124610
		PE/Cy5	25 µg 100 µg	124617 124618
		PE/Cy7	25 µg 100 µg	124621 124622
		PE/Dazzle™ 594	25 µg 100 µg	124629 124630
		PerCP/Cy5.5	25 µg 100 µg	124623 124624
		Purified	50 µg 500 µg	124601 124602
		Ultra-LEAF™	1 mg	124628
CD40	5C3	Alexa Fluor® 488	100 tests	334318
		Alexa Fluor® 647	25 tests 100 tests	334311 334312
		Alexa Fluor® 700	25 tests 100 tests	334327 334328
		APC	25 tests 100 tests	334309 334310
		APC/Cy7	25 tests 100 tests	334323 334324
		Biotin	100 µg	334343
		Brilliant Violet 421™	25 tests 100 tests	334331 334332
		Brilliant Violet 510™	25 tests 100 tests	334329 334330
		Brilliant Violet 605™	25 tests 100 tests	334335 334336
		Brilliant Violet 650™	25 tests 100 tests	334337 334338
		Brilliant Violet 711™	100 tests	334334
		Brilliant Violet 785™	25 tests 100 tests	334339 334340
		FITC	25 tests 100 tests	334305 334306
		LEAF™	50 µg 500 µg	334303 334304
		Pacific Blue™	25 µg 100 µg	334319 334320
		PE	25 tests 100 tests	334307 334308
		PE/Cy7	25 tests 100 tests	334321 334322
		PE/Dazzle™ 594	25 tests 100 tests	334341 334342
		PerCP/Cy5.5	25 tests 100 tests	334315 334316
		Purified	100 µg	334302
		Purified (MaxPar® Ready)	100 µg	334325
CD40	HB14	APC	100 tests	313008
		FITC	100 tests	313004
		LEAF™	50 µg 200 µg	313009 313010
		PE	25 tests 100 tests	313005 313006
		PE/Cy7	25 tests 100 tests	313011 313012
		PerCP/Cy5.5	25 tests 100 tests	313013 313014
		Purified	100 µg	313002
CD40	HM40-3	Alexa Fluor® 488	100 µg	102910

Specificity	Clone	Format	Size	Cat. No.
		Alexa Fluor® 647	25 µg 100 µg	102911 102912
		FITC	50 µg 500 µg	102905 102906
		LEAF™	50 µg 500 µg	102907 102908
		Purified	50 µg 500 µg	102901 102902
CD45	30-F11	Alexa Fluor® 488	25 µg 100 µg	103121 103122
		Alexa Fluor® 594	100 µg	103144
		Alexa Fluor® 647	25 µg 100 µg	103123 103124
		Alexa Fluor® 700	25 µg 100 µg	103127 103128
		APC	25 µg 100 µg	103111 103112
		APC/Cy7	25 µg 100 µg	103115 103116
		APC/Fire™ 750	25 µg 100 µg	103153 103154
		Biotin	50 µg 500 µg	103103 103104
		Brilliant Violet 421™	125 µL 50 µg	103133 103134
		Brilliant Violet 510™	125 µL 50 µg	103137 103138
		Brilliant Violet 570™	125 µL 50 µg	103135 103136
		Brilliant Violet 605™	125 µL 500 µL	103139 103140
		Brilliant Violet 650™	50 µg	103151
		Brilliant Violet 711™	50 µg	103147
		Brilliant Violet 785™	50 µg	103149
		FITC	50 µg 500 µg	103107 103108
		LEAF™	50 µg 500 µg	103119 103120
		Pacific Blue™	25 µg 100 µg	103125 103126
		PE	50 µg 200 µg	103105 103106
		PE/Cy5	25 µg 100 µg	103109 103110
		PE/Cy7	25 µg 100 µg	103113 103114
		PE/Dazzle™ 594	25 µg 100 µg	103145 103146
		PerCP	25 µg 100 µg	103129 103130
		PerCP/Cy5.5	25 µg 100 µg	103131 103132
		Purified	50 µg 500 µg	103101 103102
		Purified (MaxPar® Ready)	100 µg	103141
CD45	OX-1	Alexa Fluor® 488	100 µg	202210
		Alexa Fluor® 647	25 µg 100 µg	202211 202212
		Alexa Fluor® 700	100 µg	202218
		APC/Cy7	100 µg	202216
		Biotin	100 µg	202203
		FITC	100 µg	202205
		PE	50 µg	202207
		PE/Cy7	25 µg 100 µg	202213 202214
		PerCP/Cy5.5	100 µg	202220
		Purified	100 µg	202201

Cellular Marker Antibodies (Continued)

Specificity	Clone	Format	Size	Cat. No.
CD45	HI30	Alexa Fluor® 488	100 tests 25 tests	304017 304019
		Alexa Fluor® 594	100 µg	304060
		Alexa Fluor® 647	100 tests 25 tests	304018 304020
			100 µg	304056
		Alexa Fluor® 700	25 µg 100 µg	304023 304024
		APC	25 tests 100 tests	304011 304012
			500 tests	304037
		APC/Cy7	100 tests	304014
		APC/Fire™ 750	25 tests 100 tests	304061 304062
		Biotin	25 µg 100 µg	304003 304004
		Brilliant Violet 421™	25 tests 100 tests	304031 304032
		Brilliant Violet 510™	25 tests 100 tests	304035 304036
		Brilliant Violet 570™	25 tests 100 tests	304033 304034
		Brilliant Violet 605™	25 tests 100 tests	304041 304042
		Brilliant Violet 650™	25 tests 100 tests	304043 304044
		Brilliant Violet 711™	25 tests 100 tests	304049 304050
		Brilliant Violet 785™	25 tests 100 tests	304047 304048
		FITC	25 tests 100 tests	304005 304006
			500 tests 100 µg	304038 304054
		Pacific Blue™	25 µg 100 µg	304021 304022
	100 tests	304029		
PE	25 tests 100 tests	304007 304008		
	500 tests 100 µg	304039 304058		
PE/Cy5	25 tests 100 tests	304009 304010		
PE/Cy7	25 tests 100 tests	304015 304016		
PE/Dazzle™ 594	25 tests 100 tests	304051 304052		
PerCP	25 tests 100 tests	304025 304026		
PerCP/Cy5.5	25 tests 100 tests	304027 304028		
Purified	25 µg 100 µg	304001 304002		
Purified (MaxPar® Ready)	100 µg	304045		
CD45	Tü116	Purified	25 µg 100 µg	361901 361902
CD45RA	OX-33	Alexa Fluor® 488	100 µg	202310
		APC	25 µg 100 µg	202313 202314
		Biotin	100 µg	202303
		FITC	100 µg	202305
		PE	50 µg	202307
		PE/Cy7	25 µg 100 µg	202315 202316
		PerCP/Cy5.5	25 µg 100 µg	202317 202318
		Purified	100 µg	202301
CD45RC	OX-22	Alexa Fluor® 647	100 µg	204010
		PE	50 µg	204007
CD54	YN1/1.7.4	Alexa Fluor® 488	25 µg 100 µg	116111 116112
		Alexa Fluor® 647	25 µg 100 µg	116113 116114
		APC	25 µg 100 µg	116119 116120
		Biotin	50 µg	116103
		FITC	50 µg 500 µg	116105 116106
		LEAF™	50 µg 500 µg	116109 116110
		Pacific Blue™	25 µg 100 µg	116115 116116
		PE	50 µg 200 µg	116107 116108
CD54	1A29	Purified	50 µg 500 µg	116101 116102
		Biotin	100 µg	202403
CD54	HA58	PE	100 µg	202405
		APC	25 tests 100 tests	353111 353112
CD54	HCD54	FITC	25 tests 100 tests	353107 353108
		LEAF™	500 µg	353104
		Pacific Blue™	25 tests 100 tests	353109 353110
		PE	25 tests 100 tests	353105 353106
		Purified	25 µg 100 µg	353101 353102
		Alexa Fluor® 488	25 tests 100 tests	322713 322714
		Alexa Fluor® 647	100 tests	322718
		APC	100 tests	322712
Biotin	100 µg	322706		
FITC	100 tests	322720		
LEAF™	50 µg 500 µg	322703 322704		
Pacific Blue™	25 µg 100 µg	322715 322716		
PE	25 tests 100 tests	322707 322708		

Specificity	Clone	Format	Size	Cat. No.		
CD62E	HCD62E	Purified	100 µg	322702		
		PE	25 tests 100 tests	322605 322606		
CD62E	HAE-1f	Purified	100 µg	322602		
		APC	25 tests 100 tests	336011 336012		
		LEAF™	500 µg	336004		
		PE	100 tests	336008		
CD62E (E-selectin)	RME-1/CD62E	Purified	100 µg	336002		
		Ultra-LEAF™	500 µg	148801 148802		
				148803		
CD68	KP1	Purified	100 µg	916104		
CD68	Y1/82A	Alexa Fluor® 488	25 tests 100 tests	333811 333812		
		Alexa Fluor® 647	25 tests 100 tests	333819 333820		
		APC	25 tests 100 tests	333809 333810		
		APC/Cy7	25 tests 100 tests	333821 333822		
		Biotin	100 µg	333804		
		FITC	25 tests 100 tests	333805 333806		
		PE	25 tests 100 tests	333807 333808		
		PE/Cy7	25 tests 100 tests	333815 333816		
		PerCP/Cy5.5	25 tests 100 tests	333813 333814		
		Purified	25 µg 100 µg	333801 333802		
		CD80	16-10A1	Alexa Fluor® 488	25 µg 100 µg	104715 104716
				Alexa Fluor® 647	25 µg 100 µg	104717 104718
				APC	25 µg 100 µg	104713 104714
				Biotin	50 µg 500 µg	104703 104704
Brilliant Violet 421™	125 µL 500 µL			104725 104726		
Brilliant Violet 605™	125 µL			104729		
Brilliant Violet 650™	125 µL			104731		
FITC	50 µg 500 µg			104705 104706		
LEAF™	500 µg			104710		
Pacific Blue™	25 µg 100 µg			104723 104724		
PE	50 µg 200 µg			104707 104708		
PE/Cy5	25 µg 100 µg			104711 104712		
PE/Cy7	25 µg 100 µg			104733 104734		
PE/Dazzle™ 594	25 µg 100 µg			104737 104738		
PerCP/Cy5.5	25 µg 100 µg	104721 104722				
Purified	500 µg	104702				
Purified (MaxPar® Ready)	100 µg	104735				
CD80	2D10	Alexa Fluor® 488	25 tests 100 tests	305213 305214		
		Alexa Fluor® 647	25 tests 100 tests	305215 305216		
		APC	25 tests 100 tests	305219 305220		
		Biotin	100 µg	305204		
		Brilliant Violet 421™	25 tests 100 tests	305221 305222		
		Brilliant Violet 605™	25 tests	305225		
		Brilliant Violet 650™	25 tests	305227		
		FITC	25 tests 100 tests	305205 305206		
LEAF™	50 µg 500 µg	305211 305212				
PE	25 tests 100 tests	305207 305208				
PE/Cy5	25 tests 100 tests	305209 305210				
PE/Cy7	25 tests 100 tests	305217 305218				
PE/Dazzle™ 594	25 tests 100 tests	305229 305230				
PerCP/Cy5.5	25 tests 100 tests	305231 305232				
Purified	25 µg 100 µg	305201 305202				
CD80	3H5	PE	50 µg	200205		
		Purified	500 µg	200202		
CD86	24F	Alexa Fluor® 647	100 µg	200314		
		Biotin	50 µg	200303		
		FITC	50 µg	200305		
CD86	GL-1	PE	50 µg 200 µg	200307 200308		
		Alexa Fluor® 488	25 µg 100 µg	105017 105018		
		Alexa Fluor® 647	25 µg 100 µg	105019 105020		
		Alexa Fluor® 700	25 µg 100 µg	105023 105024		
		APC	25 µg 100 µg	105011 105012		
		APC/Cy7	25 µg 100 µg	105029 105030		
		APC/Fire™ 750	25 µg 100 µg	105045 105046		
		Biotin	50 µg 500 µg	105003 105004		
Brilliant Violet 421™	125 µL	105031				

Specificity	Clone	Format	Size	Cat. No.
CD86	IT2.2	Brilliant Violet 510™	125 µL 500 µL	105039 105040
		Brilliant Violet 605™	125 µL	105037
		Brilliant Violet 650™	125 µL	105035
		Brilliant Violet 785™	50 µg	105043
		FITC	50 µg 500 µg	105005 105006
		LEAF™	500 µg	105010
		Pacific Blue™	25 µg 100 µg	105021 105022
		PE	50 µg 200 µg	105007 105008
		PE/Cy5	25 µg 100 µg	105015 105016
		PE/Cy7	25 µg 100 µg	105013 105014
		PE/Dazzle™ 594	25 µg 100 µg	105041 105042
		PerCP	25 µg 100 µg	105025 105026
		PerCP/Cy5.5	25 µg 100 µg	105027 105028
		Purified	50 µg 500 µg	105001 105002
		Alexa Fluor® 488	25 tests 100 tests	305413 305414
		Alexa Fluor® 647	25 tests 100 tests	305415 305416
		APC	25 tests 100 tests	305411 305412
		Biotin	100 µg	305404
		Brilliant Violet 421™	25 tests 100 tests	305425 305426
		Brilliant Violet 510™	25 tests 100 tests	305431 305432
		Brilliant Violet 605™	25 tests 100 tests	305429 305430
		Brilliant Violet 650™	25 tests 100 tests	305427 305428
		Brilliant Violet 711™	25 tests 100 tests	305439 305440
		Brilliant Violet 785™	25 tests 100 tests	305441 305442
		LEAF™	50 µg 500 µg	305409 305410
		Pacific Blue™	25 µg 100 µg 100 tests	305417 305418 305423
		PE	25 tests 100 tests 100 µg	305405 305406 305438
PE/Cy5	25 tests 100 tests	305407 305408		
PE/Cy7	25 tests 100 tests	305421 305422		
PE/Dazzle™ 594	25 tests 100 tests	305433 305434		
PerCP/Cy5.5	25 tests 100 tests	305419 305420		
Purified	25 µg 100 µg	305401 305402		
Purified (MaxPar® Ready)	100 µg	305435		
CD86	PO3	Alexa Fluor® 700	100 µg	105122
		APC	25 µg 100 µg	105113 105114
		FITC	50 µg 500 µg	105109 105110
		PE	50 µg 200 µg	105105 105106
		PE/Cy7	25 µg 100 µg	105115 105116
		Purified	500 µg	105102
		Purified (MaxPar® Ready)	100 µg	339007 339008
CD122 (IL-2Rβ)	TU27	Brilliant Violet 421™	25 tests 100 tests	339009 339010
		LEAF™	500 µg	339004
		PE	25 tests 100 tests	339005 339006
		PE/Cy7	25 tests 100 tests	339013 339014
		PerCP/Cy5.5	25 tests 100 tests	339011 339012
		Purified	100 µg	339002
		Purified (MaxPar® Ready)	100 µg	339015
CD140a	APA5	APC	25 µg 100 µg	135907 135908
		Biotin	25 µg 100 µg	135909 135910
		PE	50 µg 200 µg	135905 135906
		Purified	25 µg 100 µg	135901 135902
CD140a (PDGFRα)	16A1	Biotin	25 µg 100 µg	323503 323504
		PE	25 tests 100 tests	323505 323506
		PE/Cy7	25 tests 100 tests	323507 323508
		Purified	100 µg	323502
CD140b	APB5	APC	25 µg 100 µg	136007 136008
		Biotin	25 µg 100 µg	136009 136010
		LEAF™	500 µg	136004
		PE	50 µg 200 µg	136005 136006
		Purified	100 µg	136002

Specificity	Clone	Format	Size	Cat. No.
CD140b (PDGFRβ)	18A2	APC	100 tests	323608
		Biotin	100 µg	323604
		PE	25 tests 100 tests	323605 323606
		Purified	100 µg	323602
CD146	ME-9F1	Alexa Fluor® 488	25 µg 100 µg	134707 134708
		APC	25 µg 100 µg	134711 134712
		FITC	25 µg 100 µg	134705 134706
		PE	25 µg 100 µg	134703 134704
		PE/Cy7	25 µg 100 µg	134713 134714
		PerCP/Cy5.5	25 µg 100 µg	134709 134710
CD146	P1H12	Purified	50 µg 200 µg	134701 134702
		Alexa Fluor® 647	25 tests 100 tests	361013 361014
		APC	25 tests 100 tests	361015 361016
		Brilliant Violet 421™	25 tests 100 tests	361003 361004
		FITC	25 tests 100 tests	361011 361012
		PE	25 tests 100 tests	361005 361006
CD146 (MUC18, Mel-CAM)	SHM-57	PE/Cy7	25 tests 100 tests	361007 361008
		PerCP/Cy5.5	25 tests 100 tests	361009 361010
		Purified	25 µg 100 µg	361001 361002
		Alexa Fluor® 488	25 tests 100 tests	342007 342008
		Alexa Fluor® 647	25 tests 100 tests	342005 342006
		APC	25 tests 100 tests	342011 342012
CD163	RM3/1	PE	25 tests 100 tests	342003 342004
		PE/Cy7	25 tests 100 tests	342009 342010
		PerCP/Cy5.5	25 tests 100 tests	342013 342014
		Purified	25 µg 100 µg	342001 342002
		Alexa Fluor® 647	25 tests 100 tests	326507 326508
		APC	25 tests 100 tests	326509 326510
CD163	GHI/61	PE	25 tests 100 tests	326505 326506
		PE/Cy7	25 tests 100 tests	326513 326514
		PerCP/Cy5.5	25 tests 100 tests	326511 326512
		Purified	100 µg	326502
		Alexa Fluor® 647	25 tests 100 tests	333619 333620
		APC	25 tests 100 tests	333609 333610
CD200 (OX2)	OX-104	APC/Cy7	25 tests 100 tests	333621 333622
		Biotin	25 µg 100 µg	333603 333604
		Brilliant Violet 421™	25 tests 100 tests	333611 333612
		Brilliant Violet 605™	25 tests 100 tests	333615 333616
		FITC	25 tests 100 tests	333617 333618
		PE	25 tests 100 tests	333605 333606
		PE/Cy7	25 tests 100 tests	333613 333614
		PE/Dazzle™ 594	25 tests 100 tests	333623 333624
		PerCP/Cy5.5	25 tests 100 tests	333607 333608
		Purified	100 µg	333602
		Alexa Fluor® 647	25 tests 100 tests	329213 329214
		APC	25 tests 100 tests	329207 329208
CD200 Receptor	OX-108	Biotin	100 µg	329204
		Brilliant Violet 421™	25 tests	329209
		Brilliant Violet 605™	25 tests 100 tests	329217 329218
		PE	25 tests 100 tests	329205 329206
		PE/Cy7	25 tests 100 tests	329211 329212
		PerCP/Cy5.5	25 tests 100 tests	329215 329216
		Purified	25 µg 100 µg	329201 329202
		Purified (MaxPar® Ready)	100 µg	329219
		APC	25 tests 100 tests	329307 329308
		PE	25 tests 100 tests	329305 329306
CD200 Receptor	OX-108	PE/Dazzle™ 594	25 tests 100 tests	329309 329310
		Purified	100 µg	329302

Cellular Marker Antibodies (Continued)

Specificity	Clone	Format	Size	Cat. No.		
CD206 (MMR)	15-2	Alexa Fluor® 488	25 tests 100 tests	321113 321114		
		Alexa Fluor® 647	100 tests	321116		
		Alexa Fluor® 700	25 tests 100 tests	321131 321132		
		APC	25 tests 100 tests	321109 321110		
		APC/Cy7	25 tests 100 tests	321119 321120		
		Biotin	100 µg	321118		
		Brilliant Violet 421™	25 tests 100 tests	321125 321126		
		FITC	25 tests 100 tests	321103 321104		
		LEAF™	50 µg 500 µg	321111 321112		
		PE	25 tests 100 tests	321105 321106		
		PE/Cy5	100 tests	321108		
		PE/Cy7	25 tests 100 tests	321123 321124		
		PE/Dazzle™ 594	25 tests 100 tests	321129 321130		
		PerCP/Cy5.5	25 tests 100 tests	321121 321122		
Purified	25 µg 100 µg	321101 321102				
Purified (MaxPar® Ready)	100 µg	321127				
CD282 (TLR2)	T2.5	Alexa Fluor® 488	25 µg 100 µg	121807 121808		
		Alexa Fluor® 647	25 µg 100 µg	121809 121810		
		Biotin	100 µg	121804		
		FITC	25 µg 100 µg	121805 121806		
CD282 (TLR2)	TL2.1	Purified	25 µg 100 µg	121801 121802		
		Alexa Fluor® 488	100 tests	309712		
CD283 (TLR3)	TLR-104	Alexa Fluor® 647	100 tests	309714		
		FITC	25 tests 100 tests	309705 309706		
		LEAF™	100 µg 500 µg	309709 309710		
		PE	25 tests 100 tests	309707 309708		
		Purified	100 µg	309702		
		PE	25 µg	315005		
		Purified	100 µg	315002		
		CD284 (TLR4)	HTA125	APC	25 tests 100 tests	312815 312816
				Biotin	100 µg	312804
				Brilliant Violet 421™	25 tests	312811
LEAF™	100 µg 500 µg			312807 312808		
CD369 (Dectin-1/CLEC7A)	1500	PE	25 tests 100 tests	312805 312806		
		Purified	100 µg	312802		
		Ultra-LEAF™	1 mg	312814		
		PE	25 tests 100 tests	355403 355404		
CX3CR1	2A9-1	Purified	100 µg	355402		
		Alexa Fluor® 647	25 tests 100 tests	341607 341608		
CX3CR1	K0124E1	APC	25 tests 100 tests	341609 341610		
		APC/Cy7	25 tests 100 tests	341615 341616		
		Biotin	50 µg	341617		
		FITC	25 tests 100 tests	341605 341606		
		PE	25 tests 100 tests	341603 341604		
		PE/Cy7	25 tests 100 tests	341611 341612		
		PerCP/Cy5.5	25 tests 100 tests	341613 341614		
		Purified	100 µg	341602		
		PE	25 tests 100 tests	355703 355704		
		Purified	25 µg 100 µg	355701 355702		
Delta Opioid Receptor	DOR7D2A4	PE	100 tests	327206		
FOX3 (NeuN)	1B7	Purified	100 µL	834501		
MAP2	SMI 52	Purified	100 µL	801801		
MAP2	Poly28225	Purified	50 µL	822501		
MAP2	AA6	Purified	100 µL	828101		
MAP2	AA5					
MAP2	Poly18406	Serum	100 µL	840601		
Myelin Basic Protein	SMI 94	Purified	100 µg	836504		
Myelin Basic Protein	SMI 99	Purified	100 µL 500 µL	808401 808402		
Myelin CNPase	SMI 91	Ascites	100 µL 500 µL	836401 836402		
NSE	NSE-P2	Purified	200 µL	804501		
NSE	NSE-P1	Purified	200 µL	804901		
P2X7R	1F11	Purified	100 µg	148702		
Prox1	Poly19252	Serum	200 µL	925201		

Neural Stem Cell Antibodies

Specificity	Clone	Format	Size	Cat. No.		
CD81 (TAPA-1)	5A6	APC	25 tests 100 tests	349509 349510		
		Biotin	100 µg	349514		
		FITC	25 tests 100 tests	349503 349504		
		PE	25 tests 100 tests	349505 349506		
		PE/Cy7	25 tests 100 tests	349511 349512		
		PerCP/Cy5.5	25 tests 100 tests	349507 349508		
		Purified	25 µg 100 µg	349501 349502		
		CD133	315-2C11	Alexa Fluor® 647	25 µg 100 µg	141215 141216
				APC	25 µg 100 µg	141207 141208
				Biotin	100 µg	141206
				Brilliant Violet 421™	50 µg	141213
				PE	25 µg 100 µg	141203 141204
				PE/Cy7	25 µg 100 µg	141209 141210
				PE/Dazzle™ 594	25 µg 100 µg	141211 141212
Purified	25 µg 100 µg			141201 141202		
CD140a (PDGFRa)	16A1	Biotin	25 µg 100 µg	323503 323504		
		PE	25 tests 100 tests	323505 323506		
		PE/Cy7	25 tests 100 tests	323507 323508		
		Purified	100 µg	323502		
CD184 (CXCR4)	12G5	APC	25 tests 100 tests	306509 306510		
		APC/Cy7	25 tests 100 tests	306527 306528		
		Biotin	100 µg	306504		
		Brilliant Violet 421™	25 tests 100 tests	306517 306518		
		Brilliant Violet 605™	25 tests 100 tests	306521 306522		
		LEAF™	500 µg	306512		
		PE	25 tests 100 tests	306505 306506		
		PE/Cy5	25 tests 100 tests	306507 306508		
		PE/Cy7	25 tests 100 tests	306513 306514		
		PE/Dazzle™ 594	25 tests 100 tests	306525 306526		
CD184 (CXCR4)	L276F12	PerCP/Cy5.5	25 tests 100 tests	306515 306516		
		Purified	25 µg 100 µg	306501 306502		
		Purified (MaxPar® Ready)	100 µg	306523		
		Alexa Fluor® 647	25 µg 100 µg	146503 146504		
		APC	25 µg 100 µg	146507 146508		
		Brilliant Violet 421™	50 µg	146511		
		PE	25 µg 100 µg	146505 146506		
		PE/Dazzle™ 594	25 µg 100 µg	146513 146514		
		PerCP/Cy5.5	25 µg 100 µg	146509 146510		
		Purified	100 µg	146502		
CD318/CDCP1	CUB1	Alexa Fluor® 647	100 tests	324012		
		APC	100 tests	324008		
		FITC	100 tests	324004		
		PE	100 tests	324006		
		PE/Cy7	25 tests 100 tests	324015 324016		
		PerCP/Cy5.5	25 tests 100 tests	324013 324014		
		Purified	100 µg	324002		
		Purified	100 µg	844702		
CD325 (N-Cadherin)	13A9	Ultra-LEAF™	100 µg	844703		
		Alexa Fluor® 488	25 tests 100 tests	350809 350810		
CD325 (N-Cadherin)	8C11	Alexa Fluor® 594	100 µg	350816		
		APC	25 tests 100 tests	350807 350808		
		LEAF™	500 µg	350804		
		PE	100 tests 25 tests	350805 350806		
		PE/Cy7	25 tests 100 tests	350811 350812		
		PerCP/Cy5.5	25 tests 100 tests	350813 350814		
		Purified	100 µg	350802		
		Purified	100 µg	324305 324306		
CD334 (FGFR4)	4FR6D3	PE	25 tests 100 tests	324305 324306		
		Purified	100 µg	324302		
CD338 (ABCG2)	5D3	APC	100 tests	332020		
		FITC	100 tests	332014		
		Pacific Blue™	100 µg	332012		
		PE	25 tests 100 tests	332007 332008		
CD349 (Friz-zled-9)	W3C4E11	PerCP/Cy5.5	100 tests	332018		
		Biotin	100 µg	326704		

Specificity	Clone	Format	Size	Cat. No.
FOX3 (NeuN)	1B7	Purified	25 µg 100 µg	326701 326702
		Purified	100 µL	834501
FOXD3	Poly6317	Purified	50 µL (5 Western blots) 200 µL (20 Western blots)	631701 631702
Gli-1	Poly6424	Purified	50 µL	642401
MAP1B	AA9			
MAP2	AA6	Purified	100 µL	828101
MAP2	Poly28225	Purified	50 µL	822501
MAP2	SMI 52	Purified	100 µL	801801
MCM2	Poly6022	Purified	50 µL (5 Western blots)	602201
MCM2	Poly6027	Purified	50 µL (5 Western blots) 200 µL (20 Western blots)	602701 602702
NFATc2	16A12A31	Purified	100 µg	658402
NKX2-1 (TTF-1)	14D3A28	Purified	100 µg	655402
Notch 1	HMN1-12	Alexa Fluor® 647	25 µg	130611
		APC	25 µg	130613
		Biotin	50 µg	130605
		Brilliant Violet 421™	125 µL	130615
		PE	50 µg 200 µg	130607 130608
Notch 1	MHN1-519	Purified	500 µg	130602
		APC	25 tests 100 tests	352107 352108
		LEAF™	500 µg	352104
Notch 1	mN1A	PE	25 tests 100 tests	352105 352106
		Purified	100 µg	352102
		Biotin	25 µg 100 µg	629103 629104
Notch 2	HMN2-25	PE	25 µg 100 µg	629105 629106
		Purified	25 µg 100 µg	629101 629102
		APC	25 tests 100 tests	348305 348306
Notch 2	HMN2-35	PE	25 tests 100 tests	348303 348304
		Purified	25 µg	348301
		APC	25 µg 100 µg	130713 130714
NSE	NSE-P1	Purified	200 µL	804901
NSE	NSE-P2	Purified	200 µL	804501
Pax-6	Poly19013	Purified	100 µL	901301
PCNA	PC10	Alexa Fluor® 488	25 tests	307909
		Alexa Fluor® 594	100 µg	307914
		Alexa Fluor® 647	100 tests	307912
		Biotin	100 µg	307904
		PE	100 tests	307908
Prox1	Poly19252	Purified	25 µg 100 µg	307901 307902
		Serum	200 µL	925201
RUNX1	1C5B16	Purified	100 µg	659302
SOX2	14A6A34	Alexa Fluor® 488	25 µg 100 µg	656109 656110
		Alexa Fluor® 594	100 µg	656106
		Alexa Fluor® 647	100 µg	656108
		Brilliant Violet 421™	100 µg	656114
		Pacific Blue™	25 tests 100 tests	656111 656112
SOX2	Poly6519	PE	25 tests 100 tests	656103 656104
		Purified	100 µg	656102
		Purified	50 µL 200 µL	651901 651902
SOX2 (NH2 terminus)	Poly6308	Purified	50 µL 200 µL	630801 630802
SSEA-1 (CD15)	P12	Tissue Culture Supernatant	1 ml	912901
SSEA-1 (CD15)	FH6	Alexa Fluor® 488	25 tests 100 tests	368105 368106
		Alexa Fluor® 647	25 tests 100 tests	368103 368104
		PE	25 tests 100 tests	368107 368108
SSEA-1 (CD15)	W6D3	Purified	100 µg	368102
		Alexa Fluor® 488	100 tests	323010
		Alexa Fluor® 647	100 tests	323012
		Alexa Fluor® 700	100 tests	323026
		APC	25 tests 100 tests	323007 323008
		APC/Fire™ 750	25 tests 100 tests	323041 323042
		Biotin	100 µg	323016
		Brilliant Violet 421™	25 tests 100 tests	323039 323040
SSEA-1 (CD15)	W6D3	Brilliant Violet 510™	25 tests 100 tests	323027 323028

Specificity	Clone	Format	Size	Cat. No.		
SSEA-1 (CD15)	HI98	Brilliant Violet 605™	25 tests 100 tests	323031 323032		
		Brilliant Violet 650™	25 tests 100 tests	323033 323034		
		FITC	25 tests 100 tests	323003 323004		
		Pacific Blue™	25 tests 100 tests	323021 323022		
		100 µg	323024			
		PE	25 tests 100 tests	323005 323006		
		PE/Cy5	25 tests 100 tests	323013 323014		
		PE/Cy7	25 tests 100 tests	323029 323030		
		PE/Dazzle™ 594	25 tests 100 tests	323037 323038		
		PerCP	100 tests	323018		
SSEA-1 (CD15)	MC-480	PerCP/Cy5.5	25 tests 100 tests	323019 323020		
		Purified	100 µg	323002		
		Purified (MaxPar® Ready)	100 µg	323035		
		Alexa Fluor® 488	100 tests	301910		
		APC	25 tests 100 tests	301907 301908		
		Biotin	25 µg 100 µg	301913 301914		
		FITC	25 tests 100 tests	301903 301904		
		PE	25 tests 100 tests	301905 301906		
		Purified	100 µg	301902		
		Alexa Fluor® 488	25 tests 100 tests	125609 125610		
SSEA-4	MC-813070	Alexa Fluor® 647	25 tests 100 tests	125607 125608		
		Biotin	25 µg 100 µg	125603 125604		
		Brilliant Violet 421™	25 tests 100 tests	125613 125614		
		FITC	25 tests 100 tests	125611 125612		
		PE	25 tests 100 tests	125605 125606		
		Purified	100 µg	125602		
		Alexa Fluor® 488	25 tests 100 tests	330411 330412		
		Alexa Fluor® 594	100 µg	330414		
		Alexa Fluor® 647	25 tests 100 tests	330407 330408		
		APC	25 tests 100 tests	330417 330418		
STAT3	4G4B45	Biotin	100 µg	330404		
		FITC	25 tests 100 tests	330409 330410		
		PE	25 tests 100 tests	330405 330406		
		PE/Cy7	25 tests 100 tests	330419 330420		
		PE/Dazzle™ 594	25 tests 100 tests	330415 330416		
		Purified	25 µg 100 µg	330401 330402		
		Alexa Fluor® 594	100 µg	678003		
		Direct-Blot™	100 µL (20 Western blots)	678005		
		PE	25 tests 100 tests	678007 678008		
		Purified	100 µg	678002		
STAT3	Poly6246	Purified	50 µL (5 Western Blots) 200 µL (20 Western Blots)	624601 624602		
STAT3	13A3-1	Alexa Fluor® 488	25 tests 100 tests	651005 651006		
		Alexa Fluor® 647	25 tests 100 tests	651007 651008		
TCF3 (E2A)	8F2A12	Brilliant Violet 421™	25 tests 100 tests	651009 651010		
		Direct-Blot™	100 µL (20 Western blots)	651011		
		PE	25 tests 100 tests	651003 651004		
		PE/Cy5	25 tests 100 tests	651013 651014		
		Purified	25 µg 100 µg	651001 651002		
		Purified	100 µg	674101		
		Tyrosine Hydroxylase	2/40/15	Purified	100 µL	818001
		Vimentin	O91D3	Alexa Fluor® 594	100 µg	677804
				Alexa Fluor® 647	25 µg	677807
				Direct-Blot™	100 µL (20 Western blots)	677805
Vimentin	Poly29191	Purified	25 µg 100 µg	677801 677802		
		Purified	100 µL	919101		
Vimentin	Wim 3B4	Purified	250 µL	904501		

Cell Structure Antibodies

Specificity	Clone	Format	Size	Cat. No.
Abi-1	400	Purified	200 µL	811401
Alpha Skeletal Muscle Actin	Alpha Sr-1	Tissue Culture Supernatant	250 µL	904701
Alpha Smooth Muscle Actin	1A4	Tissue Culture Supernatant	250 µL	904601
Alpha β Crystallin	Poly9079	Purified	200 µL 500 µL	907901 907902
Alpha-I Spectrin	17C7	Purified	200 µL	803101
Alpha-II Spectrin	D8B7	Tissue Culture Supernatant	200 µL	803201
CLIC4 N-Terminal	Poly9084	Purified	100 µL	908401
COL17A1	NC16A-3	Purified	1 ml	917101
Cytokeratin 10	DE-K10	Tissue Culture Supernatant	250 µL	904301
Cytokeratin 18	5E8/CK-18	Purified	100 µL	914301
Cytoplasmic Dynein Intermediate Chain	74.1	Purified	100 µL	904901
Flightless-I Protein	116.4	Purified	100 µL	907701
Giantin	Poly19087	Alexa Fluor® 488	100 µL	908701
Giantin	Poly19243	Serum	200 µL	924302
GPP130	Poly19238	Serum	200 µL	923801
Involucrin	Poly19244	Serum	200 µL	924401
Keratin 1	Poly19056	Purified	100 µL	905601
KIF3A	K2.4	Purified	200 µL	909001
Kinesin Heavy Chain	SUK-4	Purified	200 µL	908901
Lamin A	Poly19234	Serum	100 µL	923401
Lamin A/C	XB10	Purified	100 µL	918901
LASP1	8C6	Purified	100 µL	909301
MAD2	Poly19246	Serum	200 µL	924601
mAKAP	OR017.720	Purified	100 µL	923201
MAN2A1 (Mannosidase II)	53FC3	Ascites	200 µL	923101
MAP1B	AA9			
MAP2	AA5			
MAP2	Poly18406	Serum	100 µL	840601
MAP2	AA6	Purified	100 µL	828101
MAP2	Poly28225	Purified	50 µL	822501
Mouse Keratin 6A	Poly19057	Purified	100 µL	905701
Myosin Heavy Chain	H11	Ascites	100 µL	922701
Myosin Heavy Chain II-A	Poly19098	Purified	100 µL	909801
Myosin Heavy Chain II-B	Poly19099	Purified	100 µL	909901
Myosin II (pan reactive)	C5C.S2	Tissue Culture Supernatant	100 µL	909401
Myosin Phosphatase	Poly19251	Serum	100 µL	925101
Nesprin-1	Poly19027	Purified	100 µL	902701
NMHC II-C	Poly19192	Purified	100 µL	919201
Nuclear Pore Complex Proteins	MAb14	Direct-Blot™	100 µL (20 Western blots)	902905
		Purified	100 µL 500 µL	902901 902902
NUP153	QE5	Alexa Fluor® 594	100 µg	906204
		Purified	100 µL	906201
Pericentrin	Poly19237	Serum	200 µL	923701
β-Actin	Poly6221	Purified	50 µL (5 Western blots) 200 µL (20 Western blots)	622101 622102
β-Actin	2F1-1	Alexa Fluor® 594	100 µg	643804
		Brilliant Violet 421™	100 µg	643806
		Direct-Blot™	100 µL (20 Western blots)	643807
		Purified	25 µg 100 µg	643801 643802
Vimentin	Vim 3B4	Purified	250 µL	904501
Vimentin	Poly29191	Purified	100 µL	919101
Vimentin	O91D3	Alexa Fluor® 594	100 µg	677804
		Alexa Fluor® 647	25 µg	677807
		Direct-Blot™	100 µL (20 Western blots)	677805
		Purified	25 µg 100 µg	677801 677802

Cell Marker ELISA Kit

Description	Size	Cat. No.
LEGEND MAX™ Human sICAM-1/CD54 ELISA Kit with Pre-coated Plates	1 Pre-coated Plate 5 Pre-coated Plates	440207 440208

Protein Trafficking & Clearance

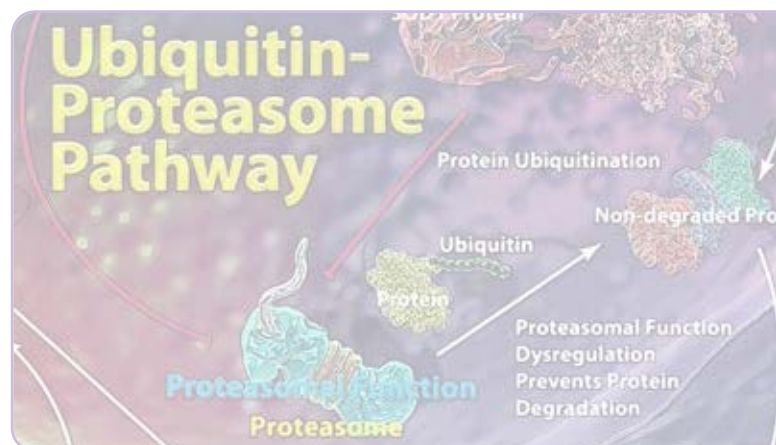
Aberrant protein trafficking and clearance contributes to the pathological accumulation of misfolded proteins commonly found in neurodegenerative disorders. BioLegend offers a number of products for key proteins that function as molecular chaperones, protein modifiers, and vesicular markers to facilitate research into mechanisms underlying impaired protein trafficking and degradation.

Ubiquitin & Ubiquitin Activating Enzymes

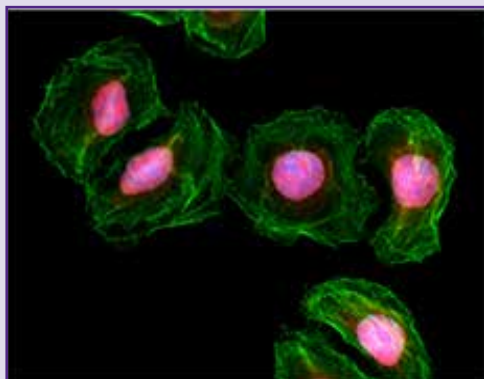
Ubiquitin is a small (8.5 kD) regulatory protein that is ubiquitously expressed in tissues of eukaryotic organisms. There are four genes in the human genome that produce ubiquitin: UBB, UBC, UBA52 and RPS27A. UBA52 and RPS27A genes code for a single copy of ubiquitin fused to the ribosomal proteins L40 and S27a, respectively. The UBB and UBC genes code for polyubiquitin precursor proteins. Ubiquitination is a post-translational modification where a ubiquitin subunit is attached to a protein. Addition of ubiquitin can signal for degradation via the proteasome, alter cellular location, promote or prevent protein interactions, or affect activity. Ubiquitination is carried out stepwise by ubiquitin-activating enzymes (E1s), ubiquitin-conjugating enzymes (E2s), and ubiquitin ligases (E3s), respectively. The cascade results in ubiquitin binding to lysine residues on the protein or to the amino group of the protein's N-terminus. A frameshift mutation in ubiquitin B can result in a truncated peptide missing the C-terminal glycine. This abnormal peptide, known as UBB+1, has been shown to accumulate selectively in Alzheimer's disease and other tauopathies.

Antibodies to Ubiquitin & Ubiquitin Activating Enzymes

Specificity	Clone	Format	Size	Cat. No.
Ubiquitin	P4D1	Purified	25 µg 100 µg	646301 646302
		Direct-Blot™ HRP	100 µL	646303
Ubiquitin	P4G7	Ascites	200 µL 500 µL	838701 838702
Ubiquitin, 50-65 (Bound)	Mar-39	Ascites	200 µL	835001
Ubiquitin, 64-76 (free/bound)	25-May	Ascites	200 µL	834901
E1 Ubiquitin Activating Enzyme	2G2.3.5	Purified	100 µg	932002
		Alexa Fluor® 594	100 µg	679404

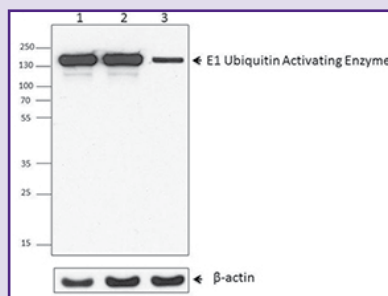


E1 Ubiquitin Activating Enzyme



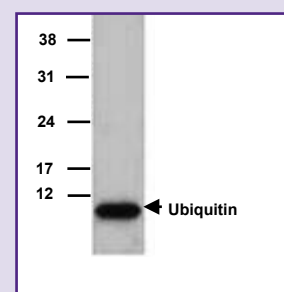
HeLa cells co-stained with anti-E1 ubiquitin activating enzyme antibody (clone 2G2.3.5, red) and Phalloidin conjugated to Alexa Fluor® 488 (green). Nuclei were counterstained with DAPI (blue).

E1 Ubiquitin Activating Enzyme



Western blot analysis of anti-E1 ubiquitin activating enzyme antibody (clone 2G2.3.5). Ln 1: HeLa cell lysate; Ln 2: Jurkat cell lysate; Ln 3: Raw264.7 cell lysate. β -actin antibody (Poly6221) was used as a loading control.

Ubiquitin



Western blot analysis of anti-ubiquitin antibody (clone P4D1) on mouse recombinant ubiquitin.

Protein Clearance Antibodies

Specificity	Clone	Format	Size	Cat. No.
Apo E	E6D7	Purified	200 µL 1 ml	803401 803403
Apo E	D6E10	Purified	200 µL 1 ml	803301 803303
Apo E4	9D11	Purified	200 µL 1 ml	813701 813702
Apo E4	5G7	Purified	200 µL	813601
Apo E4	5A9	Purified	100 µL	811701
Apo E4	5B5/ApoE4	Purified	100 µL	811601
Apo J (Clusterin)	Poly18133	Purified	50 µg	813301
c-Abl	8E9	Purified	100 µL	831901
Cathepsin A	15D2C93	Purified	100 µg	683902
Cathepsin B	15D10C39	Purified	100 µg	680902
Cathepsin D	16E12C58	Purified	100 µg	678502
CD107a (LAMP-1)	1D4B	Alexa Fluor® 488	25 µg 100 µg	121607 121608
		Alexa Fluor® 594	100 µg	121622
		Alexa Fluor® 647	25 µg 100 µg	121609 121610
		APC	25 µg 100 µg	121613 121614
		APC/Cy7	25 µg 100 µg	121615 121616
		Biotin	50 µg 200 µg	121603 121604
		Brilliant Violet 421™	125 µL	121617
		FITC	50 µg 200 µg	121605 121606
		PE	50 µg 200 µg	121611 121612
		PE/Cy7	25 µg 100 µg	121619 121620
		PE/Dazzle™ 594	25 µg 100 µg	121623 121624
		PerCP/Cy5.5	25 µg 100 µg	121625 121626
		Purified	50 µg 200 µg	121601 121602
CD107a (LAMP-1)	H4A3	Alexa Fluor® 488	25 tests 100 tests	328609 328610
		Alexa Fluor® 647	25 tests 100 tests	328611 328612
		APC	25 tests 100 tests	328619 328620
		APC/Cy7	25 tests 100 tests	328629 328630
		Biotin	100 µg	328604
		Brilliant Violet 421™	25 tests 100 tests	328625 328626
		Brilliant Violet 510™	25 tests 100 tests	328631 328632
		Brilliant Violet 605™	25 tests 100 tests	328633 328634
		Brilliant Violet 650™	25 tests 100 tests	328637 328638
		Brilliant Violet 711™	25 tests 100 tests	328639 328640
		Brilliant Violet 785™	25 tests 100 tests	328643 328644
		FITC	25 tests 100 tests	328605 328606
		Pacific Blue™	25 µg 100 µg	328623 328624
		PE	25 tests 100 tests	328607 328608
		PE/Cy7	25 tests 100 tests	328617 328618
		PE/Dazzle™ 594	25 tests 100 tests	328645 328646
		PerCP	25 tests 100 tests	328641 328642
		PerCP/Cy5.5	25 tests 100 tests	328615 328616
		Purified	25 µg 100 µg	328601 328602
		Purified (MaxPar® Ready)	100 µg	328635
CD107a (LAMP-1)	1D4B	Alexa Fluor® 488	25 µg 100 µg	121607 121608
		Alexa Fluor® 594	100 µg	121622
		Alexa Fluor® 647	25 µg 100 µg	121609 121610
		APC	25 µg 100 µg	121613 121614
		APC/Cy7	25 µg 100 µg	121615 121616
		Biotin	50 µg 200 µg	121603 121604
		Brilliant Violet 421™	125 µL	121617
		FITC	50 µg 200 µg	121605 121606
		PE	50 µg 200 µg	121611 121612
		PE/Cy7	25 µg 100 µg	121619 121620
		PE/Dazzle™ 594	25 µg 100 µg	121623 121624
		PerCP/Cy5.5	25 µg 100 µg	121625 121626
		Purified	50 µg 200 µg	121601 121602
CD107b (LAMP-2)	H4B4	FITC	25 tests 100 tests	354305 354306
		PE	25 tests 100 tests	354303 354304
		Purified	25 µg 100 µg	354301 354302
CD107b (LAMP-2)	ABL-93	Purified	100 µL	816101
Clathrin Heavy Chain (CLTCL2)	TD.1	Purified	100 µL	813901

Specificity	Clone	Format	Size	Cat. No.
Clathrin Light Chain (CLTA)	CON.1	Purified	100 µL	811501
DJ-1 (PARK7)	Poly18081	Purified	50 µg	808101
DJ-1 (PARK7)	E2.19	Purified	200 µL 1 ml	813801 813803
HSC70 (HSPA8)	42615	Purified	100 µg	682102
HSF1	4B4	Purified	100 µL	825801
HSF2	300	Purified	100 µL	829301
Hsp70	4F8	Purified	100 µL	818101
Hsp70	W27	Alexa Fluor® 488	25 tests 100 tests	648003 648004
		Direct-Blot™	100 µL (20 Western blots)	648005
		Purified	25 µg 100 µg	648001 648002
Hsp90a	K41007	Purified	100 µg	661702
Hsp90a/β	K3720A	Purified	100 µg	661802
Hsp90a/β	3H3C27	Direct-Blot™	100 µL (20 Western blots)	675403
		Purified	100 µg	675402
Insulin Degrading Enzyme (IDE)	Poly18403	Serum	100 µL	840301
p62 (SQSTM1)	1B5.H9	Purified	100 µL	814801
p62	Poly6477	Purified	50 µL 200 µL	647701 647702
Pan-LC3-A	CV698.792.28			
Parkin	Prk 109	Purified	200 µL	807601
Parkin	Prk 8	Purified	200 µL 500 µL 1 ml	808501 808502 808503
PINK1	N4/15	Purified	100 µL	832901
PINK1	5E1.D8	Purified	100 µL	834801
PINK1	DU46-1.1	Purified	100 µg	846202

Protein Clearance Recombinant Proteins

Description	Size	Cat. No.
Cathepsin E (CTSE)	10 µg 25 µg 100 µg	756602 756604 756606

Mitochondrial Function

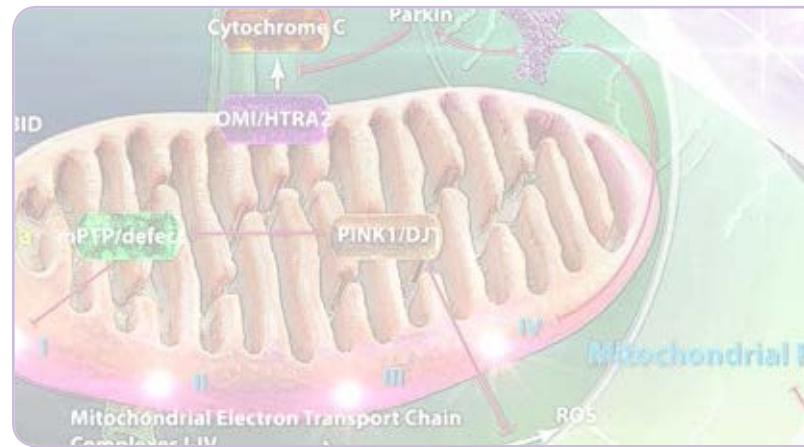
Mitochondria are referred to as the power houses of the cell, meaning that they are the suppliers of the biological energy of a cell. Impaired mitochondrial function has been linked to a number of diseases, including neurodegenerative disorders, highlighting the importance of these organelles in maintaining healthy cells. BioLegend has a growing offering in the area of mitochondrial markers, including those relevant to neurodegeneration.

Mitochondrial Function Antibodies

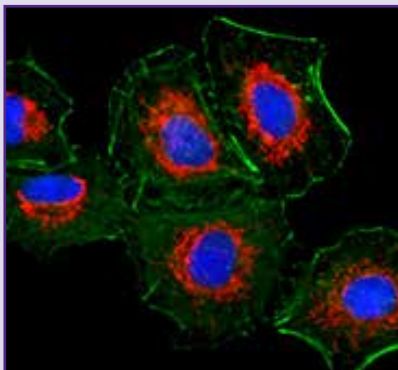
Specificity	Clone	Format	Size	Cat. No.
DJ-1 (PARK7)	Poly18081	Purified	50 µg	808101
DJ-1 (PARK7)	E2.19	Purified	200 µL 1 ml	813801 813803
ERAB	5F3	Purified	500 µL	834402
Grp75 (Mortalin)	N52A/42	Purified	100 µL	818801
HSP60	P83G8	Direct-Blot™	100 µL (20 Western blots)	681503
		Purified	100 µg	681502
LRRK2	MC.028.83.76.242	Purified	100 µL	808201
LRRK2	8G10	Purified	100 µL	844401
LRRK2 (NH2 terminus)	N138/6	Purified	100 µL	818901
Mitofusin-1	1G3.B6	Purified	100 µL	814601
Mitofusin-1	N111/24	Purified	100 µL	831101
Mitofusin-2	N153/5	Purified	100 µL	820301
Nhedc2	Poly6485	Purified	25 µL 100 µL	648501 648502
Pancortin	K96/7	Purified	100 µL	827201
PARIS (ZNF746)	N196/16	Purified	100 µL	820601
Parkin	Prk 109	Purified	200 µL	807601
Parkin	Prk 8	Purified	200 µL 500 µL 1 ml	808501 808502 808503
PINK1	N4/15	Purified	100 µL	832901
PINK1	5E1.D8	Purified	100 µL	834801
PINK1	DU46-1.1	Purified	100 µg	846202
VDAC1	N152B/23	Purified	100 µL	820701
UCP2	Poly6159	Purified	50 µL (5 Western blots) 200 µL (20 Western blots)	615901 615902

Mitochondrial Function Probes

Description	Size	Cat. No.
MitoSpy™ Green FM	5 x 50 µg 20 x 50 µg	424805 424806
MitoSpy™ Orange CMTMRos	5 x 50 µg 20 x 50 µg	424803 424804

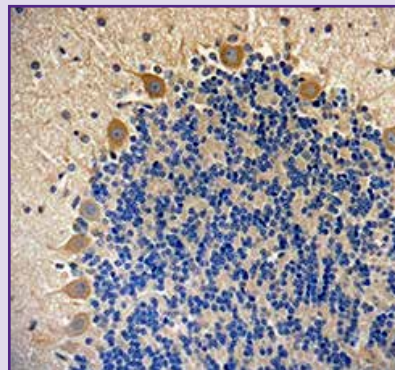


HSP60



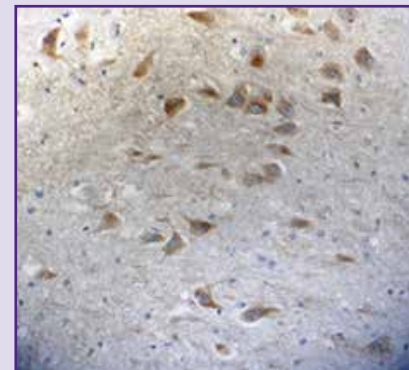
A549 cells co-stained with anti-HSP60 antibody (clone P83G8, red) and Actin filaments labeled with Alexa Fluor® 488 Phalloidin (green). Nuclei were counterstained with DAPI (blue).

Mitofusin-2



IHC staining of anti-Mitofusin-2 antibody (clone N153/5) on formalin-fixed paraffin-embedded rat brain tissue.

PINK1



IHC staining of anti-PINK1 antibody (clone DU46-1.1) on formalin-fixed paraffin-embedded Parkinson's disease brain tissue.

Epigenetics

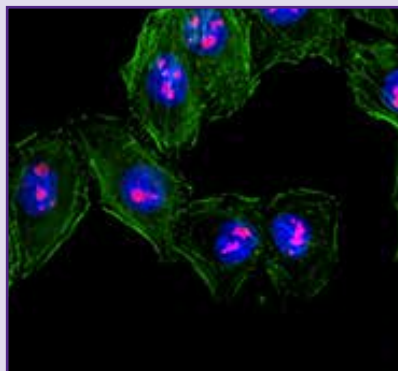
BioLegend is building its portfolio to allow researchers to investigate epigenetics, the study of heritable changes in gene expression that do not involve alterations in the DNA sequence. These epigenetic changes can modify the chromatin or DNA to silence or enhance gene expression. Epigenetics plays an important role in a diverse set of processes in the nervous system, including synaptic plasticity and memory formation, stress response, age-related memory decline, psychiatric and neurodegenerative disorders.

Epigenetics Antibodies

Specificity	Clone	Format	Size	Cat. No.
CRISPR (CAS9)	7A9	Purified	100 µg	844301
Dicer	N167/7	Purified	100 µL	820201
DNMT1	W15077A	Purified	100 µg	687502
H2A.X	2F3	Alexa Fluor® 488	25 tests 100 tests	613405 613406
		Alexa Fluor® 594	100 µg	613410
		Alexa Fluor® 647	25 tests 100 tests	613407 613408
		APC	25 tests 100 tests	613415 613416
		Direct-Blot™	100 µL (20 Western blots)	613417
		FITC	25 tests 100 tests	613403 613404
		PE	25 tests 100 tests	613411 613412
		PerCP/Cy5.5	25 tests 100 tests	613413 613414
		Purified	25 µg 100 µg	613401 613402
HDAC1	10E2/HDAC1	Purified	100 µL	815101
HDAC2	3F3/HDAC2	Purified	100 µL	815201
HDAC3	W15097A	Alexa Fluor® 594	25 µg	685203
		Purified	100 µg	685202
HDAC7	11C7C49	Purified	100 µg	683502
HDAC8	W15090A	Purified	100 µg	685502
HDAC3	3G6	Purified	100 µL	815301
Histone H3 (C-terminus)	1B1-B2	Purified	100 µL	819401
Histone H3 Dimethyl (Lys9)	5E5-G5	Purified	100 µL	815501

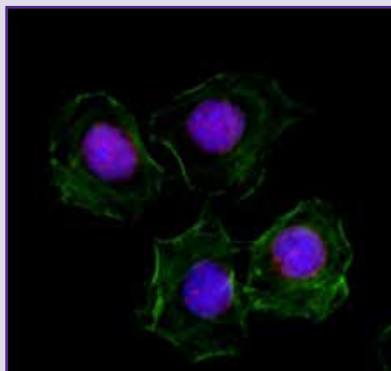
Specificity	Clone	Format	Size	Cat. No.
Histone H3 Monomethyl (Lys9)	7E7.H12	Purified	100 µL	824201
Histone H3 Non-methyl (Lys9)	9B1-2G6	Purified	100 µL	815701
Histone H3 Trimethyl (Lys9)	6F12-H4	Purified	100 µL	815601
Histone H4 Monomethyl (Lys20)	5E10-D8	Purified	100 µL	828001
Histone H4 Trimethyl (Lys 20)	6F8-D9	Purified	100 µL	827701
Histone Lysine Demethylase (NO66)	8A7-G10	Purified	100 µg	844902
		Ultra-LEAF™	100 µg	844903
LCMT1 (PPM1)	4A4	Purified	100 µL	824501
MECP2	N227/21	Purified	100 µL	814001
RAG2	3G4A26	Purified	100 µg	654902

Histone H2B



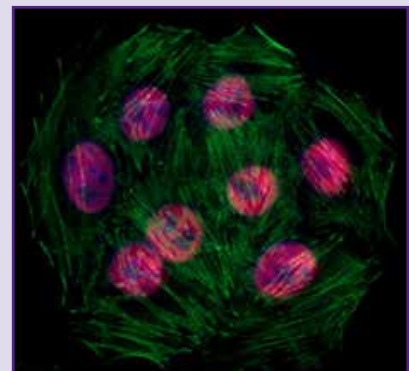
HeLa cells co-stained with anti-Histone H2B antibody (Poly26887, red) and Actin filaments labeled with Alexa Fluor® 488 Phalloidin (green). Nuclei were counterstained with DAPI (blue).

HDAC8



HeLa cells co-stained with anti-human HDAC8 antibody (clone W15090A, red) and Actin filaments labeled with Alexa Fluor® 488 Phalloidin (green). Nuclei were counterstained with DAPI (blue).

HDAC3



HeLa cells co-stained with Alexa Fluor® 594 anti-HDAC3 antibody (clone W15097A, red) and Actin filaments labeled with Alexa Fluor® 488 Phalloidin (green). Nuclei were counterstained with DAPI (blue).

Cell Death

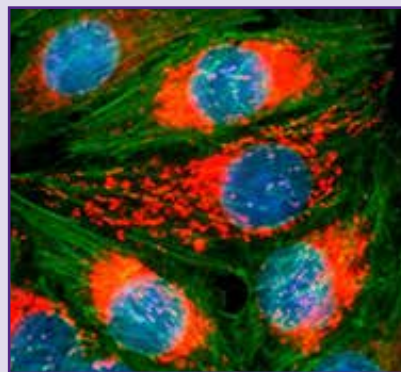
BioLegend offers a wide range of assays, probes and markers for assessment of cell death, cell viability and proliferation. Many of our assays are available in fluorescent and colorimetric formats ideal for flow cytometry, western blot analysis, and microscopy.

Cell Death Antibodies

Specificity	Clone	Format	Size	Cat. No.
Akt Phospho (Ser473)	Poly6490	Purified	50 µL (5 Western blots) 200 µL (20 Western blots)	649001 649002
AKT1	O94E10	Purified	100 µg	680302
AKT2	P81B6	Purified	100 µg	680202
ASC	O93E9	Purified	100 µg	676502
ASC (TMS-1)	HASC-71	PE	25 tests 100 tests	653903 653904
		Purified	100 µg	653902
Bax	6A7	Purified	25 µg 100 µg	633801 633802
Bcl-2	BCL/10C4	Alexa Fluor® 488	25 µg 100 µg	633505 633506
		Alexa Fluor® 647	25 µg 100 µg	633509 633510
		FITC	25 µg 100 µg	633503 633504
		PE	25 µg 100 µg	633507 633508
		PE/Cy7	25 µg 100 µg	633511 633512
		Purified	25 µg 100 µg	633501 633502
		Alexa Fluor® 488	25 µg 100 µg	633505 633506
		Alexa Fluor® 647	25 µg 100 µg	633509 633510
		FITC	25 µg 100 µg	633503 633504
		PE	25 µg 100 µg	633507 633508
		PE/Cy7	25 µg 100 µg	633511 633512
		Purified	25 µg 100 µg	633501 633502
Bcl-2	100	Alexa Fluor® 488	25 tests 100 tests	658703 658704
		Alexa Fluor® 647	25 tests 100 tests	658705 658706
		Brilliant Violet 421™	25 tests	658709
		PE	25 tests 100 tests	658707 658708
		Purified	25 µg 100 µg	658701 658702
Bcl-XS/L	2H12	Purified	25 µg 100 µg	633901 633902
CARD9	13D9C60	Purified	100 µg	679102
Caspase-1	5B10	Purified	25 µg 100 µg	645101 645102
Caspase-3	Poly6341	Purified	125 µL (5 Western blots)	634101
Caspase-3	43191	Biotin	100 µg	622704
		Purified	25 µg 100 µg	622701 622702
Caspase-7	20F3	Purified	25 µg	645301
Caspase-8	1H10	Purified	25 µg	645501
Caspase-9	96-2-22	Purified	25 µg 100 µg	621901 621902
Caspase-10	25C2	Purified	100 µg	645202
Caspase-11	Cas11.17D9	Purified	25 µg 100 µg	647201 647202

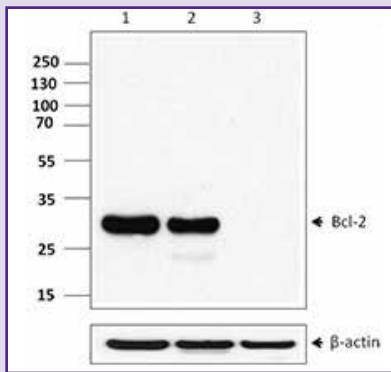
Specificity	Clone	Format	Size	Cat. No.
Caspase-12	14F7	Purified	25 µg	645401
CD95 (Fas)	DX2	Alexa Fluor® 488	25 tests 100 tests	305615 305616
		Alexa Fluor® 647	100 tests	305618
		APC	25 tests 100 tests	305611 305612
		APC/Cy7	25 tests 100 tests	305635 305636
		APC/Fire™ 750	25 tests 100 tests	305637 305638
		Biotin	100 µg	305604
		Brilliant Violet 421™	25 tests 100 tests	305623 305624
		Brilliant Violet 510™	25 tests 100 tests	305639 305640
		Brilliant Violet 605™	25 tests 100 tests	305627 305628
		Brilliant Violet 650™	25 tests	305641
		Brilliant Violet 711™	25 tests	305643
		Brilliant Violet 785™	25 tests 100 tests	305645 305646
		FITC	25 tests 100 tests	305605 305606
		LEAF™	50 µg 500 µg	305613 305614
		Pacific Blue™	100 tests	305619
		PE	25 tests 100 tests	305607 305608
		PE/Cy5	100 tests	305610
		PE/Cy7	25 tests 100 tests	305621 305622
		PE/Dazzle™ 594	25 tests 100 tests	305633 305634
		PerCP/Cy5.5	25 tests 100 tests	305629 305630
		Purified	100 µg	305602
		Purified (MaxPar® Ready)	100 µg	305631
		Alexa Fluor® 488	25 tests 100 tests	305615 305616
		Alexa Fluor® 647	100 tests	305618
		APC	25 tests 100 tests	305611 305612
		APC/Cy7	25 tests 100 tests	305635 305636
		APC/Fire™ 750	25 tests 100 tests	305637 305638
		Biotin	100 µg	305604
		Brilliant Violet 421™	25 tests 100 tests	305623 305624
		Brilliant Violet 510™	25 tests 100 tests	305639 305640
		Brilliant Violet 605™	25 tests 100 tests	305627 305628
		Brilliant Violet 650™	25 tests	305641
		Brilliant Violet 711™	25 tests	305643
		Brilliant Violet 785™	25 tests 100 tests	305645 305646
CD95 (Fas)	DX2	Brilliant Violet 785™	25 tests 100 tests	305645 305646

CARD9



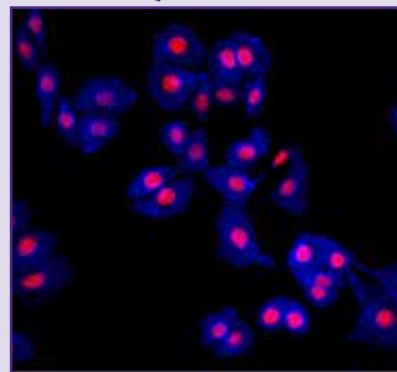
HeLa cells co-stained with anti-CARD9 antibody (clone 13D9C60, red) and Actin filaments labeled with Alexa Fluor® 488 Phalloidin (green). Nuclei were counterstained with DAPI (blue).

Bcl-2



Western blot analysis of anti-Bcl-2 antibody (clone 100). Lane 1: THP-1; Lane 2: PBMC; Lane 3: Raw264.7. β-actin was used as loading control.

EGFR & DRAQ5



HeLa cells stained with Brilliant Violet 421™ anti-EGFR antibody (clone AY13, blue). Nuclei were counterstained with DRAQ5 (red).

Cell Death Antibodies (Continued)

Specificity	Clone	Format	Size	Cat. No.
		FITC	25 tests 100 tests	305605 305606
		LEAF™	50 µg 500 µg	305613 305614
		Pacific Blue™	100 tests	305619
		PE	25 tests 100 tests	305607 305608
		PE/Cy5	100 tests	305610
		PE/Cy7	25 tests 100 tests	305621 305622
		PE/Dazzle™ 594	25 tests 100 tests	305633 305634
		PerCP/Cy5.5	25 tests 100 tests	305629 305630
		Purified	100 µg	305602
		Purified (MaxPar® Ready)	100 µg	305631
CD95 (Fas)	EOS9.1	LEAF™	50 µg 500 µg	305703 305704
		Purified	100 µg	305702
CD178 (FasL)	MFL3	Biotin	50 µg	106603
		LEAF™	500 µg	106608
		PE	50 µg 200 µg	106605 106606
		Purified	500 µg	106602
CD178 (FasL)	MFL4	LEAF™	500 µg	106706
CD178 (Fas-L)	NOK-1	Biotin	100 µg	306404
		LEAF™	50 µg 500 µg	306408 306409
		PE	25 tests 100 tests	306406 306407
		Purified	100 µg	306402
CD178.1 (FasL)	Kay-10	LEAF™	500 µg	106808
		PE	50 µg	106805
Granzyme A	3G8.5	PE	25 µg 100 µg	149703 149704
		Purified	100 µg	149702
Granzyme A	CB9	Alexa Fluor® 488	100 tests	507212
		Alexa Fluor® 594	100 µg	507218
		Alexa Fluor® 647	100 tests	507214
		Alexa Fluor® 700	100 µg	507210
		FITC	100 tests	507204
		Pacific Blue™	100 µg 25 µg	507207 507208
		PE	100 tests	507206
		PerCP/Cy5.5	25 tests 100 tests	507215 507216
		Purified	100 µg	507202
Granzyme B	12F9B65	Purified	25 µg 100 µg	662801 662802
Granzyme B	M3304B06	Purified	100 µg	674602
Granzyme B	O94E6/GZMB	Purified	25 µg 100 µg	674301 674302
Granzyme B	GB11	Alexa Fluor® 647	25 tests 100 tests	515405 515406
		FITC	25 tests	515403
		Pacific Blue™	25 tests 100 tests	515407 515408
Granzyme K	GM26E7	Alexa Fluor® 594	100 µg	370506
		Alexa Fluor® 647	25 tests 100 tests	370503 370504
		Purified	100 µg	370502
Mcl-1	Poly6136	Purified	50 µL (5 Western blots) 200 µL (20 Western blots)	613601 613602
Perforin	dG9	Alexa Fluor® 488	100 tests	308108
		Alexa Fluor® 594	100 µg	308124
		Alexa Fluor® 647	25 tests 100 tests	308109 308110
		APC	25 tests 100 tests	308111 308112
		APC/Cy7	25 tests 100 tests	308127 308128
		Brilliant Violet 421™	25 tests 100 tests	308121 308122
		Brilliant Violet 510™	25 tests 100 tests	308119 308120
		FITC	25 tests 100 tests	308103 308104
		Pacific Blue™	25 tests 100 tests	308117 308118
		PE	25 tests 100 tests	308105 308106
		PE/Cy7	25 tests 100 tests	308125 308126
		PerCP/Cy5.5	25 tests 100 tests	308113 308114
		Purified	100 µg	308102
Perforin	B-D48	APC	25 tests 100 tests	353311 353312
		Brilliant Violet 421™	25 tests	353307
		FITC	25 tests 100 tests	353309 353310
		Pacific Blue™	25 tests	353305
		PE	25 tests 100 tests	353303 353304
		PE/Cy7	25 tests 100 tests	353315 353316
		PerCP/Cy5.5	25 tests 100 tests	353313 353314

Specificity	Clone	Format	Size	Cat. No.
Survivin	Poly6147	Purified	50 µL (5 Western blots) 200 µL (20 Western blots)	614701 614702
TICAM-1 (TRIF)	1H4B01	Purified	100 µg	657102
TICAM-2 (TRAM)	9G1B30	Purified	100 µg	659402

Cell Viability Kits/Nuclear Staining Dyes

Description	Size	Cat. No.
7-AAD Viability Staining Solution	200 tests 500 tests	420403 420404
Pacific Blue™ Annexin V Apoptosis Detection Kit with 7-AAD	100 tests	640926
CFSE Cell Division Tracker Kit	1 kit (5 vials, 100 µg per vial of CFSE, 500 µL DMSO)	423801
DAPI (4,6-Diamidino-2-Phenylindole, Dilactate)	10 mg	422801
Deep Blue Cell Viability™ Kit	25 ml 100 ml	424701 424702
DRAQ5™	50 µL	424101
DRAQ7™	1 ml	424001
LEGENDplex™ Human CD8/NK Panel	100 tests	740267
Propidium Iodide Solution	2 ml	421301
Tag-it Violet™ Proliferation and Cell Tracking Dye	1 kit (5 vials, 122.25 µg per vial, 500 µL DMSO)	425101
TetraZ™ Cell Counting Kit	500 tests 100 tests 2000 tests	424501 424502 424503
Zombie Aqua™ Fixable Viability Kit	100 tests 500 tests	423101 423102
Zombie Green™ Fixable Viability Kit	100 tests 500 tests	423111 423112
Zombie NIR™ Fixable Viability Kit	100 tests 500 tests	423105 423106
Zombie Red™ Fixable Viability Kit	100 tests 500 tests	423109 423110
Zombie UV™ Fixable Viability Kit	100 tests 500 tests	423107 423108
Zombie Violet™ Fixable Viability Kit	100 tests 500 tests	423113 423114
Zombie Yellow™ Fixable Viability Kit	100 tests 500 tests	423103 423104

Cell Death Recombinant Proteins

Description	Size	Cat. No.
Recombinant Human Granzyme A (carrier-free)	10 µg 25 µg	550802 550804
Recombinant Human Granzyme B (carrier-free)	10 µg 25 µg	554902 554904
Recombinant Mouse Granzyme B (carrier-free)	10 µg 25 µg	554802 554804



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