SANTA CRUZ BIOTECHNOLOGY, INC.

mouse anti-goat IgG-R: sc-2490

SANTA CRUZ BIOTECHNOLOGY

The Power to Question

BACKGROUND

Santa Cruz Biotechnology's high quality, well characterized monoclonal secondary antibodies are available conjugated to either an enzyme, biotin or fluorophore for use in a variety of antibody-based applications, including Western blotting, immunostaining and flow cytometry. Santa Cruz secondary antibodies are commonly affinity purified against immobilized whole IgG isotypes, including IgG_1, IgG_{2a}, IgG_{2b}, IgG_3 and IgG_4. Monoclonal secondary antibodies are available conjugated to HRP for Western blotting (WB) and immunohistochemistry (IHC); (CM) or Cruz Marker form of HRP conjugated secondary antibodies are suitable for use with our Cruz Marker® molecular weight standards; FITC (fluorescein isothiocyanate), PE (phycoerythrin), R (TRITC: tetramethyl rhodamine isothiocyanate), TR (Texas Red®), PerCP (peridinin chlorophyll protein complex), PerCP-Cy5.5 (peridinin chlorophyll protein complex with cyanin-5.5), and CruzFluor® (488, 555 and 594) for immunofluorescence (IF), immunohistochemistry (IHC) and flow cytometry (FCM); B (biotin) for immunohistochemistry (IHC); AP (alkaline phosphatase) for Western blotting (WB); and CruzFluor® 680 and 790 for near-infrared (NIR) Western blotting (WB), immunofluorescence (IF), immunohistochemistry (IHC) and flow cytometry (FCM).

SOURCE

mouse anti-goat IgG-R is an affinity purified secondary antibody raised in mouse against goat IgG and conjugated to TRITC (rhodamine).

PRODUCT

Each vial contains 200 µg mouse IgG in 0.5 ml of PBS containing 1% stabilizer protein and 0.02% sodium azide.

APPLICATIONS

mouse anti-goat IgG-R is recommended for detection of goat IgG by immunofluorescence staining (starting dilution: 1:100, dilution range: 1:100-1:400), immunohistochemical staining (starting dilution: 1:100, dilution range: 1:100-1:400) and flow cytometry (0.5-1 µg per 1 x 10^6 cells). Optimal dilution to be determined by titration.

RECOMMENDED SUPPORT PRODUCTS

- CrystalCruz® Cover Glasses, 22 x 50 mm, precleaned: sc-24975
- PBS (Phosphate Buffered Saline), powder, 1 packet: sc-24947
- Formaldehyde, 37% formaldehyde solution, 25 ml: sc-203049
- Hydrogen Peroxide, 30% solution, 100 ml: sc-203336
- Organo/Limonene Mount, non-toxic alternative to Permount, 100 ml: sc-45087
- UltraCruz® Mounting Medium, aqueous-based, 10 ml: sc-24941
- ImmunoHistoMount, aqueous-based mounting medium, 30 ml: sc-45086
- Immuno In Situ Mount, for use with *in situ* hybridization, 30 ml: sc-45088
- Paraffin, for the preparation of tissue samples for staining, 500 g: sc-286633
- Xylenes, mixed isomers with ethylbenzene, 500 ml: sc-237422
- Hematoxylin, Gill's Formulation #2; nuclear counter stain, 100 ml: sc-24973

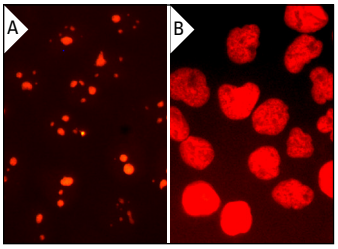
RESEARCH USE

For research use only, not for use in diagnostic procedures.

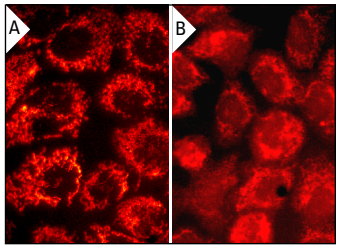
STORAGE

Store at 4° C, **DO NOT FREEZE**. Stable for one year from the date of shipment. Non-hazardous. No MSDS required.

DATA



Nucleostemin (C-14): sc-46212. Immunofluorescence staining of formalin-fixed A-431 cells showing nucleolar and nuclear localization (**A**). Histone cluster 1 H1B (N-15): sc-247158. Immunofluorescence staining of formalin-fixed A-431 cells showing nuclear localization (**B**). Detection reagent used: mouse anti-goat IgG-R: sc-2490.



HSP 60 (K-19): sc-1722. Immunofluorescence staining of formalin-fixed A-431 cells showing mitochondrial localization (**A**). MFF (T-14): sc-168593. Immunofluorescence staining of formalin-fixed A-431 cells showing mitochondrial localization (**B**). Detection reagent used: mouse anti-goat IgG-R: sc-2490.

SELECT PRODUCT CITATIONS

1. Scheibe, R.J., et al. 2006. Expression of membrane-bound carbonic anhydrases IV, IX, and XIV in the mouse heart. J. Histochem. Cytochem. 54: 1379-1391.
2. Scheibe, R.J., et al. 2008. Carbonic anhydrases IV and IX: subcellular localization and functional role in mouse skeletal muscle. Am. J. Physiol., Cell Physiol. 294: C402-C412.
3. Li, Y., et al. 2013. Cell recognition molecule L1 promotes embryonic stem cell differentiation through the regulation of cell surface glycosylation. Biochem. Biophys. Res. Commun. 440: 405-412.
4. Vázquez-Velasco, M., et al. 2014. Liver oxidation and inflammation in Fa/Fa rats fed glucomannan/spirulina-surimi. Food Chem. 159: 215-221.
5. Sarma, N.J., et al. 2014. Hepatitis C virus-induced changes in microRNA 107 (miRNA-107) and miRNA-449a modulate CCL2 by targeting the interleukin-6 receptor complex in hepatitis. J. Virol. 88: 3733-3743.
6. Vázquez-Velasco, M., et al. 2015. Effects of glucomannan/spirulina-surimi on liver oxidation and inflammation in Zucker rats fed atherogenic diets. J. Physiol. Biochem. 71: 611-622.
7. Santos-López, J.A., et al. 2016. Effects of silicon vs. hydroxytyrosol-enriched restructured pork on liver oxidation status of aged rats fed high-saturated/high-cholesterol diets. PLoS One 11: e0147469.

PROTOCOLS

See our web site at www.scbt.com for detailed protocols and support products.