

## Datasheet: MCA334B

<b>Description:</b>	CHIMAERIC HUMAN IgG2 ANTI NP
<b>Specificity:</b>	IgG2 ANTI NP (CHIMAERIC)
<b>Format:</b>	Purified
<b>Product Type:</b>	Monoclonal Antibody
<b>Clone:</b>	JW183
<b>Isotype:</b>	IgG2
<b>Quantity:</b>	0.5 mg

## Product Details

### Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit [www.bio-rad-antibodies.com/protocols](http://www.bio-rad-antibodies.com/protocols).

	Yes	No	Not Determined	Suggested Dilution
ELISA	■			

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using appropriate negative/positive controls.

<b>Target Species</b>	Human
<b>Product Form</b>	Purified IgG - liquid
<b>Preparation</b>	Purified IgG prepared by affinity chromatography from tissue culture supernatant
<b>Buffer Solution</b>	Phosphate buffered saline
<b>Preservative Stabilisers</b>	0.09% Sodium Azide
<b>Carrier Free</b>	Yes
<b>Approx. Protein Concentrations</b>	1 mg/ml
<b>Specificity</b>	<b>Chimaeric Human HUMAN IgG2 anti NP antibody, clone JW183</b> combines an immunoglobulin heavy chain produced by the linking of the antigen-binding, variable region genes of a mouse hybridoma to human constant region genes by <i>in vitro</i> DNA recombination procedures. The resulting chimaeric antibody is subsequently expressed by the myeloma cell-line J558L after transfection. The J558L cell-line itself secretes a lambda light chain but no heavy chain. Thus a chimaeric human IgG2 antibody specific for NP has been produced

### References

1. Neuberger, M.S. *et al.* (1984) Recombinant antibodies possessing novel effector functions.

[Nature 312: 604-608.](#)

2. Neuberger, M.S. *et al.* (1985) A hapten-specific chimaeric IgE antibody with human physiological effector function. [Nature 314: 268-270.](#)

3. Neuberger, M.S. *et al.* (1986) Construction of novel antibodies by use of DNA transfection: design of plasmid vectors. *Trans. R. Soc. Lond. A317*: 425-432.

4. Wines, B.D. *et al.* (2003) Soluble FcγRIIIa inhibits rheumatoid factor binding to immune complexes. [Immunology. 109: 246-54.](#)

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**Storage** Store at +4°C or at -20°C if preferred.

This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

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**Shelf Life** 18 months from date of despatch.

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**Health And Safety Information** Material Safety Datasheet documentation #10040 available at: 10040: <https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf>

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**Regulatory** For research purposes only

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