

Datasheet: MCA422B

Description:	RAT ANTI MOUSE IgG2b HEAVY CHAIN:Biotin
Specificity:	IgG2b HEAVY CHAIN
Format:	Biotin
Product Type:	Monoclonal Antibody
Clone:	LO-MG2b-2
Isotype:	IgG1
Quantity:	0.5 mg

Product Details

RRID AB_321835

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.

	Yes	No	Not Determined	Suggested Dilution
Flow Cytometry			▪	
Immunohistology - Frozen			▪	
Immunohistology - Paraffin			▪	
ELISA	▪			500ng/ml
Western Blotting			▪	

Where this antibody 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 antibody for use in their own system using appropriate negative/positive controls.

Target Species Mouse

Product Form Purified IgG conjugated to Biotin - liquid

Preparation Purified IgG prepared by affinity chromatography on Protein A from tissue culture supernatant

Buffer Solution Phosphate buffered saline

Preservative 0.1% Sodium Azide

Stabilisers 50% Glycerol

Approx. Protein Concentrations IgG concentration 1.0 mg/ml

Immunogen Purified mouse IgG2b.

External Database Links **UniProt:**

Entrez Gene:

[16016](#) Ighg2b [Related reagents](#)

Fusion Partners	Spleen cells from immunised LOU/c rats were fused with cells of the rat IR983F myeloma cell line.
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Specificity	Rat anti Mouse IgG2b Heavy Chain antibody, clone LO-MG2b-2 reacts with mouse IgG2b heavy chain. The avidity of Rat anti Mouse IgG2b Heavy Chain antibody, clone LO-MG2b-2 for IgG2b is $1 \times 10^{10} \text{ M}^{-1}$.
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References	<ol style="list-style-type: none">1. Bazin, H. <i>et al.</i> (1984) Rat monoclonal antibodies. I. Rapid purification from <i>in vitro</i> culture supernatants. J. Immunol. Methods 71: 261-269.2. Denis, O. <i>et al.</i> (1993) Resting B cells can act as antigen presenting cells in vivo and induce antibody responses. Int. Immunol. 5: 71-8.3. DeGiovanni, C. <i>et al.</i> (2019) Cancer Vaccines Co-Targeting HER2/Neu and IGF1R. Cancers (Basel). 11 (4)Apr 11 [Epub ahead of print].
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Storage	Store at +4°C or at -20°C if preferred. This product should be stored undiluted. Storage in frost free freezers is not recommended. 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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Guarantee	18 months from date of despatch.
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Health And Safety Information	Material Safety Datasheet documentation #10328 available at: 10328: https://www.bio-rad-antibodies.com/uploads/MSDS/10328.pdf
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Regulatory	For research purposes only
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