

Datasheet: MCA1293

Description:	RAT ANTI MOUSE IgM HEAVY CHAIN
Specificity:	IgM HEAVY CHAIN
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	LO-MM-3
Isotype:	IgM
Quantity:	1 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.

	Yes	No	Not Determined	Suggested Dilution
Flow Cytometry			▪	
Immunohistology - Frozen			▪	
Immunohistology - Paraffin			▪	
ELISA	▪			5ug/ml (coating)
Immunoprecipitation			▪	
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 IgM - liquid
Preparation	Purified IgM prepared by affinity chromatography on mouse IgM/Sepharose 4B from tissue culture supernatant
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.1% Sodium Azide
Approx. Protein Concentrations	Isotype concentration 1 mg/ml

Immunogen	Polyclonal mouse IgM.
External Database Links	<p>UniProt:</p> <p>P01873 Related reagents</p> <p>P01872 Related reagents</p> <p>Entrez Gene:</p> <p>16019 Ighm Related reagents</p> <p>16019 Ighm Related reagents</p>
RRID	AB_321868
Fusion Partners	Spleen cells from immunized Lou/c rats were fused with cells of the rat IR983F myeloma cell line.
Specificity	<p>Rat anti Mouse IgM heavy chain recognizes murine IgM (mu heavy chain) and does not cross react with other murine immunoglobulin classes or subclasses.</p> <p>Avidity = $2 \times 10^8 \text{ M}^{-1}$</p>
ELISA	This antibody may be used as a coating antibody in sandwich ELISA in combination with LO-MM-9 (MCA199B) and Streptavidin:HRP (STAR5B) as the detection reagents.
References	<ol style="list-style-type: none"> Savignac, M. <i>et al.</i> (2010) Increased B cell proliferation and reduced Ig production in DREAM transgenic mice. J Immunol. 185:7527-36. Huang, C.H. <i>et al.</i> (2011) Airway inflammation and IgE production induced by dust mite allergen-specific memory/effector Th2 cell line can be effectively attenuated by IL-35. J Immunol. 187: 462-71.
Storage	<p>This product is shipped at ambient temperature. It is recommended to aliquot and store at -20°C on receipt. When thawed, aliquot the sample as needed. Keep aliquots at 2-8°C for short term use (up to 4 weeks) and store the remaining aliquots at -20°C.</p> <p>Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.</p>
Guarantee	12 months from date of despatch
Health And Safety Information	Material Safety Datasheet documentation #10040 available at: 10040: https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

Goat Anti Rat IgM (302001...) [Biotin](#), [RPE](#)

Goat Anti Rat IgM (STAR116...) [HRP](#)

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To find a batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets

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