

Datasheet: MCA4693

**BATCH NUMBER 270514**

<b>Description:</b>	RAT ANTI MOUSE IgD HEAVY CHAIN
<b>Specificity:</b>	IgD HEAVY CHAIN
<b>Format:</b>	Purified
<b>Product Type:</b>	Monoclonal Antibody
<b>Clone:</b>	LO-MD-6
<b>Isotype:</b>	IgG2a
<b>Quantity:</b>	0.25 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
Flow Cytometry			▪	
Immunohistology - Frozen			▪	
Immunohistology - Paraffin			▪	
ELISA	▪			
Immunoprecipitation			▪	
Western Blotting			▪	

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>	Mouse
<b>Product Form</b>	Purified IgG - liquid
<b>Preparation</b>	Purified IgG from tissue culture supernatant
<b>Buffer Solution</b>	Phosphate buffered saline
<b>Preservative Stabilisers</b>	0.1% Sodium Azide (NaN <sub>3</sub> )
<b>Approx. Protein Concentrations</b>	IgG concentration 1.0mg/ml

<b>External Database Links</b>	<b>UniProt:</b> <a href="#">P01881</a> <a href="#">Related reagents</a> <a href="#">P01882</a> <a href="#">Related reagents</a>  <b>Entrez Gene:</b> <a href="#">380797</a> Ighd <a href="#">Related reagents</a> <a href="#">380797</a> Ighd <a href="#">Related reagents</a>
<b>RRID</b>	AB_1605058
<b>Specificity</b>	<p><b>Rat anti Mouse IgD Heavy Chain antibody, clone LO-MD-6</b> recognizes the delta heavy chain of mouse immunoglobulin. It does not react with human IgG or IgM.</p> <p>Rat anti Mouse IgD Heavy Chain antibody, clone LO-MD-6 also does not react with chicken, rabbit, goat, sheep, bovine, horse, dog, pig or baboon IgG.</p>
<b>References</b>	<ol style="list-style-type: none"> <li>1. Denis, O. <i>et al.</i> (1993) Resting B cells can act as antigen presenting cells <i>in vivo</i> and induce antibody responses. <a href="#">Int Immunol. 5 (1): 71-8.</a></li> <li>2. Levit-Zerdoun, E. <i>et al.</i> (2016) Survival of Igα-Deficient Mature B Cells Requires BAFF-R Function. <a href="#">J Immunol. Feb 3. pii: 1501707. [Epub ahead of print]</a></li> <li>3. Maity, P.C. <i>et al.</i> (2015) B cell antigen receptors of the IgM and IgD classes are clustered in different protein islands that are altered during B cell activation. <a href="#">Sci Signal. 8 (394): ra93.</a></li> </ol>
<b>Storage</b>	<p>Store at +4°C or at -20°C if preferred.</p> <p>Storage in frost-free freezers is not recommended.</p> <p>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.</p>
<b>Guarantee</b>	12 months from date of despatch
<b>Health And Safety Information</b>	Material Safety Datasheet documentation #10040 available at: 10040: <a href="https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf">https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf</a>
<b>Regulatory</b>	For research purposes only

## Related Products

### Recommended Secondary Antibodies

Goat Anti Rat IgG (STAR69...)	<a href="#">FITC</a>
Goat Anti Rat IgG (STAR73...)	<a href="#">RPE</a>
Rabbit Anti Rat IgG (STAR17...)	<a href="#">FITC</a>
Goat Anti Rat IgG (STAR72...)	<a href="#">HRP</a>
Goat Anti Rat IgG (MOUSE ADSORBED) (STAR71...)	<a href="#">DyLight®550</a> , <a href="#">DyLight®650</a> , <a href="#">DyLight®800</a>
Rabbit Anti Rat IgG (STAR21...)	<a href="#">HRP</a>

Rabbit Anti Rat IgG (STAR16...)

Goat Anti Rat IgG (STAR131...)

[DyLight®800](#)

[Alk. Phos.](#), [Biotin](#)

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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](https://bio-rad-antibodies.com/datasheets)

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