

Datasheet: MCA4693

**BATCH NUMBER 120614**

<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

---

**External Database****Links****UniProt:**[P01881](#)    [Related reagents](#)[P01882](#)    [Related reagents](#)**Entrez Gene:**[380797](#) Ighd    [Related reagents](#)[380797](#) Ighd    [Related reagents](#)

---

**RRID**

AB\_1605058

---

**Specificity**

**Rat anti Mouse IgD Heavy Chain antibody, clone LO-MD-6** recognizes the delta heavy chain of mouse immunoglobulin. It does not react with human IgG or IgM.

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.

---

**References**

1. Denis, O. *et al.* (1993) Resting B cells can act as antigen presenting cells *in vivo* and induce antibody responses. [Int Immunol. 5 \(1\): 71-8.](#)
2. Levit-Zerdoun, E. *et al.* (2016) Survival of Ig $\alpha$ -Deficient Mature B Cells Requires BAFF-R Function. [J Immunol. Feb 3. pii: 1501707. \[Epub ahead of print\]](#)
3. Maity, P.C. *et al.* (2015) B cell antigen receptors of the IgM and IgD classes are clustered in different protein islands that are altered during B cell activation. [Sci Signal. 8 \(394\): ra93.](#)

---

**Storage**

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

Storage in frost-free freezers is not recommended.

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.

---

**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 IgG (STAR69...)

[FITC](#)

Goat Anti Rat IgG (STAR73...)

[RPE](#)

Rabbit Anti Rat IgG (STAR17...)

[FITC](#)

Goat Anti Rat IgG (STAR72...)

[HRP](#)

Goat Anti Rat IgG (MOUSE ADSORBED) (STAR71...)

[DyLight@550](#), [DyLight@650](#), [DyLight@800](#)

Rabbit Anti Rat IgG (STAR21...)

[HRP](#)

Rabbit Anti Rat IgG (STAR16...)

Goat Anti Rat IgG (STAR131...)

[DyLight®800](#)

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

**North & South** Tel: +1 800 265 7376

**America** Fax: +1 919 878 3751

Email: [antibody\\_sales\\_us@bio-rad.com](mailto:antibody_sales_us@bio-rad.com)

**Worldwide**

Tel: +44 (0)1865 852 700

Fax: +44 (0)1865 852 739

Email: [antibody\\_sales\\_uk@bio-rad.com](mailto:antibody_sales_uk@bio-rad.com)

**Europe**

Tel: +49 (0) 89 8090 95 21

Fax: +49 (0) 89 8090 95 50

Email: [antibody\\_sales\\_de@bio-rad.com](mailto:antibody_sales_de@bio-rad.com)

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)

'M367899:200529'

**Printed on 07 Feb 2023**

---

© 2023 Bio-Rad Laboratories Inc | [Legal](#) | [Imprint](#)