

Datasheet: MCA4693

BATCH NUMBER 173107

Description:	RAT ANTI MOUSE IgD HEAVY CHAIN
Specificity:	IgD HEAVY CHAIN
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	LO-MD-6
Isotype:	IgG2a
Quantity:	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.

	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.

Target Species	Mouse
Product Form	Purified IgG - liquid
Preparation	Purified IgG from tissue culture supernatant
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.1% Sodium Azide (NaN ₃)
Approx. Protein Concentrations	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 Igα-Deficient Mature B Cells Requires BAFF-R Function. [J Immunol. 196 \(5\): 2348-60.](#)
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.](#)
4. Cai, Y. *et al.* (2024) Preclinical Pharmacology Characterization of Sovleplenib (HMPL-523), an Orally Available Syk Inhibitor. [J Pharmacol Exp Ther. 388 \(1\): 156-70.](#)

Storage

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.

Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.

Guarantee

12 months from date of despatch

Health And Safety Information

Material Safety Datasheet documentation #10040 available at: <https://www.bio-rad-antibodies.com/SDS/MCA4693>

Regulatory

For research purposes only

Related Products**Recommended Secondary Antibodies**

Rabbit Anti Rat IgG (STAR16...)

[DyLight@800](#)

Rabbit Anti Rat IgG (STAR17...)

[FITC](#)Goat Anti Rat IgG (MOUSE ADSORBED) (STAR71...) [DyLight@550](#), [DyLight@650](#), [DyLight@800](#)

Goat Anti Rat IgG (STAR69...)	FITC
Goat Anti Rat IgG (STAR73...)	RPE
Goat Anti Rat IgG (STAR72...)	HRP
Goat Anti Rat IgG (STAR131...)	Alk. Phos. , Biotin
Rabbit Anti Rat IgG (STAR21...)	HRP

Product inquiries: www.bio-rad-antibodies.com/technical-support

To find a batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets
'M384085:210513'

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