

## Datasheet: MCA422

<b>Description:</b>	RAT ANTI MOUSE IgG2b HEAVY CHAIN
<b>Specificity:</b>	IgG2b HEAVY CHAIN
<b>Format:</b>	Purified
<b>Product Type:</b>	Monoclonal Antibody
<b>Clone:</b>	LO-MG2b-2
<b>Isotype:</b>	IgG1
<b>Quantity:</b>	0.25 mg

## Product Details

**RRID** AB\_321834

**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	▪			1.25ug/ml (detection)
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 - liquid

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

**Buffer Solution** Phosphate buffered saline

**Preservative Stabilisers** 0.1% Sodium Azide

**Approx. Protein Concentrations** IgG concentration 1.0 mg/ml

**Immunogen** Purified mouse IgG2b.

**External Database Links** **UniProt:**

[P01867](#)   [Related reagents](#)

**Entrez Gene:**

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

---

<b>Fusion Partners</b>	Spleen cells from immunised LOU/c rats were fused with cells of the rat IR983F myeloma cell line.
------------------------	---

---

<b>Specificity</b>	<b>Rat anti Mouse IgG2b Heavy Chain antibody, clone LO-MG2b-2</b> reacts with mouse IgG2b heavy chain. The avidity of Rat anti Mouse IgG2b Heavy Chain antibody, clone LO-MG2b-2 for IgG2b is $1 \times 10^{10} \text{ M}^{-1}$ .
--------------------	---

---

<b>References</b>	<ol style="list-style-type: none"><li>1. Bazin, H. <i>et al.</i> (1984) Rat monoclonal antibodies. I. Rapid purification from <i>in vitro</i> culture supernatants. <a href="#">J. Immunol. Methods 71: 261-269.</a></li><li>2. Denis, O. <i>et al.</i> (1993) Resting B cells can act as antigen presenting cells in vivo and induce antibody responses. <a href="#">Int. Immunol. 5: 71-8.</a></li><li>3. DeGiovanni, C. <i>et al.</i> (2019) Cancer Vaccines Co-Targeting HER2/Neu and IGF1R. <a href="#">Cancers (Basel). 11 (4)Apr 11 [Epub ahead of print].</a></li></ol>
-------------------	---

---

<b>Storage</b>	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.
----------------	---

---

<b>Guarantee</b>	18 months from date of despatch.
------------------	----------------------------------

---

<b>Health And Safety Information</b>	Material Safety Datasheet documentation #10303 available at: 10303: <a href="https://www.bio-rad-antibodies.com/uploads/MSDS/10303.pdf">https://www.bio-rad-antibodies.com/uploads/MSDS/10303.pdf</a>
--------------------------------------	--

---

<b>Regulatory</b>	For research purposes only
-------------------	----------------------------

---

## Related Products

### Recommended Secondary Antibodies

Rabbit Anti Rat IgG (STAR17...)	<a href="#">FITC</a>
Goat Anti Rat IgG (STAR69...)	<a href="#">FITC</a>
Goat Anti Rat IgG (STAR131...)	<a href="#">Alk. Phos.</a> , <a href="#">Biotin</a>
Goat Anti Rat IgG (STAR73...)	<a href="#">RPE</a>
Rabbit Anti Rat IgG (STAR21...)	<a href="#">HRP</a>
Goat Anti Rat IgG (STAR72...)	<a href="#">HRP</a>
Rabbit Anti Rat IgG (STAR16...)	<a href="#">DyLight®800</a>
Goat Anti Rat IgG (MOUSE ADSORBED) (STAR71...)	<a href="#">DyLight®800</a>

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

'M339537:181219'

Printed on 20 May 2019

