

## Datasheet: MCA423B

<b>Description:</b>	RAT ANTI MOUSE IgG3 HEAVY CHAIN:Biotin
<b>Specificity:</b>	IgG3 HEAVY CHAIN
<b>Format:</b>	Biotin
<b>Product Type:</b>	Monoclonal Antibody
<b>Clone:</b>	LO-MG3-7
<b>Isotype:</b>	IgM
<b>Quantity:</b>	0.5 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	■			0.5ug/ml - 1.0ug/ml
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.

<b>Target Species</b>	Mouse
<b>Product Form</b>	Purified IgM conjugated to Biotin - liquid
<b>Preparation</b>	Purified IgM prepared by affinity chromatography from tissue culture supernatant
<b>Buffer Solution</b>	Phosphate buffered saline
<b>Preservative</b>	0.09% Sodium Azide
<b>Stabilisers</b>	50% Glycerol
<b>Approx. Protein Concentrations</b>	IgM concentration 1 mg/ml
<b>Immunogen</b>	Polyclonal and monoclonal mouse IgG3.

### External Database Links

#### UniProt:

[P03987](http://www.uniprot.org/entry/P03987)

[Related reagents](#)

#### Entrez Gene:

<b>Specificity</b>	<b>Rat anti Mouse IgG3 Heavy Chain antibody, clone LO-MG3-7</b> recognizes the gamma 3 heavy chain of mouse IgG and does not cross react with other subclasses of murine IgG.
<b>ELISA</b>	This product may be used in an indirect ELISA or as a secondary reagent in a sandwich ELISA together with <a href="#">MCA1292</a> as the capture reagent and and Streptavidin:HRP ( <a href="#">STAR5B</a> ) as the detection reagent.
<b>References</b>	<ol style="list-style-type: none"><li>1. Bazin, H. (1982) Production of rat monoclonal antibodies with the LOU rat non secreting IR983F myeloma cell line. Prot. Biol. Fluids. Peters Ed: 29th Colloquim (1981). Pergamon Press, Oxford and N.Y., pp 615-618.</li><li>2. 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. 66(2): 261-269.</a></li><li>3. Bazin H, <i>et al.</i> (1984) Rat monoclonal antibodies. II. A rapid and efficient method of purification from ascitic fluid or serum. <a href="#">J. Immunol. Methods. 71: 9-16.</a></li><li>4. Zivkovic, I. <i>et al.</i> (2012) Induction of decreased fecundity by tetanus toxoid hyper-immunization in C57BL/6 mice depends on the applied adjuvant. <a href="#">Innate Immun. 18: 333-42.</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>Shelf Life</b>	18 months from date of despatch.
<b>Health And Safety Information</b>	Material Safety Datasheet documentation available at: Material Safety Datasheet Documentation #10049 available at: <a href="https://www.bio-rad-antibodies.com/uploads/MSDS/10049.pdf">https://www.bio-rad-antibodies.com/uploads/MSDS/10049.pdf</a>
<b>Regulatory</b>	For research purposes only

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