

## Datasheet: MCA423

<b>Description:</b>	RAT ANTI MOUSE IgG3 HEAVY CHAIN
<b>Specificity:</b>	IgG3 HEAVY CHAIN
<b>Format:</b>	Purified
<b>Product Type:</b>	Monoclonal Antibody
<b>Clone:</b>	LO-MG3-7
<b>Isotype:</b>	IgM
<b>Quantity:</b>	0.25 mg

## Product Details

**RRID** AB\_321849

**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	▪			5ug/ml as a coating antibody
Immunoprecipitation			▪	
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 IgM - liquid

**Preparation** Purified IgM prepared by affinity chromatography from tissue culture supernatant

**Buffer Solution** Phosphate buffered saline

**Preservative Stabilisers** 0.1% Sodium Azide

**Approx. Protein Concentrations** IgM concentration 1 mg/ml

**Immunogen** Polyclonal and monoclonal mouse IgG3.

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

**Links**[P03987](#) [Related reagents](#)**Entrez Gene:**[380795](#) [A1324046](#) [Related reagents](#)**Specificity**

**Rat anti Mouse IgG3 Heavy Chain antibody, clone LO-MG3-7** recognizes the gamma 3 heavy chain of mouse IgG and does not cross react with other subclasses of murine IgG.

**References**

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 615-8.
2. Bazin, H. *et al.* (1984) Rat monoclonal antibodies. I. Rapid purification from *in vitro* culture supernatants. [J Immunol Methods. 66 \(2\): 261-9.](#)
3. Bazin, H. *et al.* (1984) Rat monoclonal antibodies. II. A rapid and efficient method of purification from ascitic fluid or serum. [J Immunol Methods. 71 \(1\): 9-16.](#)
4. Zivkovic, I. *et al.* (2012) Induction of decreased fecundity by tetanus toxoid hyper-immunization in C57BL/6 mice depends on the applied adjuvant. [Innate Immun. 18: 333-42.](#)
5. DeGiovanni, C. *et al.* (2019) Cancer Vaccines Co-Targeting HER2/Neu and IGF1R. [Cancers \(Basel\). 11 \(4\)Apr 11 \[Epub ahead of print\].](#)

**Storage**

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.

**Guarantee**

18 months from date of despatch.

**Health And Safety Information**

Material Safety Datasheet documentation #10303 available at:  
10303: <https://www.bio-rad-antibodies.com/uploads/MSDS/10303.pdf>

**Regulatory**

For research purposes only

## Related Products

### Recommended Secondary Antibodies

Goat Anti Rat IgM (302001...) [Biotin](#), [RPE](#)

Goat Anti Rat IgM (STAR116...) [HRP](#)

**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)

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