

Datasheet: MCA423B

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| Description: | RAT ANTI MOUSE IgG3 HEAVY CHAIN:Biotin |
| Specificity: | IgG3 HEAVY CHAIN |
| Format: | Biotin |
| Product Type: | Monoclonal Antibody |
| Clone: | LO-MG3-7 |
| Isotype: | IgM |
| Quantity: | 0.5 mg |

Product Details

RRID AB_321850

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 | ▪ | | | 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.

Target Species Mouse

Product Form Purified IgM conjugated to Biotin - liquid

Preparation Purified IgM prepared by affinity chromatography from tissue culture supernatant

Buffer Solution Phosphate buffered saline

Preservative 0.09% Sodium Azide
Stabilisers 50% Glycerol

Approx. Protein Concentrations IgM concentration 1 mg/ml

Immunogen Polyclonal and monoclonal mouse IgG3.

External Database Links **UniProt:**

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.

ELISA This product may be used in an indirect ELISA or as a secondary reagent in a sandwich ELISA together with [MCA1292](#) as the capture reagent and and Streptavidin:HRP ([STAR5B](#)) as the detection reagent.

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 #10049 available at: 10049: <https://www.bio-rad-antibodies.com/uploads/MSDS/10049.pdf>

Regulatory For research purposes only

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'M339541:181219'

Printed on 20 May 2019