

## Datasheet: MCA1294F

<b>Description:</b>	MOUSE ANTI RAT IgG2b HEAVY CHAIN:FITC
<b>Specificity:</b>	IgG2b HEAVY CHAIN
<b>Format:</b>	FITC
<b>Product Type:</b>	Monoclonal Antibody
<b>Clone:</b>	MARG2b-3
<b>Isotype:</b>	IgG1
<b>Quantity:</b>	0.5 mg

## Product Details

**RRID** AB\_321840

**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	▪			5ug/ml
Immunohistology - Frozen			▪	
Immunohistology - Paraffin			▪	

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** Rat

**Product Form** Purified IgG conjugated to Fluorescein Isothiocyanate Isomer 1 (FITC) - liquid

Max Ex/Em	Fluorophore	Excitation Max (nm)	Emission Max (nm)
	FITC	490	525

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

**Buffer Solution** Phosphate buffered saline

**Preservative** 0.09% Sodium Azide

**Stabilisers** 50% Glycerol

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

**Immunogen** Rat IgG2b.

**External Database  
Links**

**UniProt:**  
[P20761](#)   [Related reagents](#)

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**Specificity**      **Mouse anti Rat IgG2b Heavy Chain antibody, clone MARG2b-3** recognizes the gamma-2b heavy chain of rat immunoglobulin.

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**Flow Cytometry**      Use 50ul of the suggested working dilution to label 10<sup>6</sup> cells in 100ul.

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**References**

1. Le Roy, D. *et al.* (1999) Monoclonal antibodies to murine lipopolysaccharide (LPS)-binding protein (LBP) protect mice from lethal endotoxemia by blocking either the binding of LPS to LBP or the presentation of LPS/LBP complexes to CD14. [J Immunol. 162 \(12\): 7454-60.](#)
2. Ueta, H. *et al.* (2018) Single blood transfusion induces the production of donor-specific alloantibodies and regulatory T cells mainly in the spleen. [Int Immunol. 30 \(2\): 53-67.](#)

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**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. This product is photosensitive and should be protected from light.

Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

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**Guarantee**      18 months from date of despatch.

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**Health And Safety  
Information**      Material Safety Datasheet documentation #10049 available at:  
10049: <https://www.bio-rad-antibodies.com/uploads/MSDS/10049.pdf>

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**Regulatory**      For research purposes only

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## Related Products

### Recommended Negative Controls

[MOUSE IgG1 NEGATIVE CONTROL:FITC \(MCA1209F\)](#)

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

**America**      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

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**Europe**

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