

Datasheet: MCA422F

Description:	RAT ANTI MOUSE IgG2b HEAVY CHAIN:FITC
Specificity:	IgG2b HEAVY CHAIN
Format:	FITC
Product Type:	Monoclonal Antibody
Clone:	LO-MG2b-2
Isotype:	IgG1
Quantity:	0.5 mg

Product Details

RRID AB_321836

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	▪			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 Mouse

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 0.1% Sodium Azide

Stabilisers 50% Glycerol

Approx. Protein Concentrations IgG concentration 1 mg/ml

Immunogen Purified mouse IgG2b.

**External Database
Links**

UniProt:

[P01867](#) [Related reagents](#)

Entrez Gene:

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

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

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

Flow Cytometry Use 10ul of the suggested working dilution to label 10^6 cells in 100ul.

References

1. Bazin, H. *et al.* (1984) Rat monoclonal antibodies. I. Rapid purification from *in vitro* culture supernatants. [J. Immunol. Methods 71: 261-269.](#)
2. Denis, O. *et al.* (1993) Resting B cells can act as antigen presenting cells in vivo and induce antibody responses. [Int. Immunol. 5: 71-8.](#)
3. 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. 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.

Guarantee 18 months from date of despatch.

Health And Safety Information Material Safety Datasheet documentation #10328 available at:
10328: <https://www.bio-rad-antibodies.com/uploads/MSDS/10328.pdf>

Regulatory For research purposes only

Related Products

Recommended Useful Reagents

[MOUSE SEROBLOCK FcR \(BUF041A\)](#)

[MOUSE SEROBLOCK FcR \(BUF041B\)](#)

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