

Datasheet: MCA194B

Description:	MOUSE ANTI RAT IgG1 HEAVY CHAIN:Biotin
Specificity:	IgG1 HEAVY CHAIN
Format:	Biotin
Product Type:	Monoclonal Antibody
Clone:	MARG1-2
Isotype:	IgG1
Quantity:	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.

	Yes	No	Not Determined	Suggested Dilution
Flow Cytometry			▪	
Immunohistology - Frozen			▪	
Immunohistology - Paraffin			▪	
ELISA	▪			500ng/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	Rat
Product Form	Purified IgG conjugated to Biotin - liquid
Preparation	Purified IgG prepared by affinity chromatography from tissue culture supernatant
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.1% Sodium Azide 50% Glycerol
Approx. Protein Concentrations	IgG concentration 1 mg/ml

Immunogen Rat IR27 IgG1 myeloma protein.

External Database

Links

UniProt:

[P20759](#) [Related reagents](#)

Entrez Gene:

[299354](#) Ighg [Related reagents](#)

RRID

AB_321808

Fusion Partners

Spleen cells from immunized BALB/c mice were fused with cells of the mouse SP2/0 myeloma cell line.

Specificity

Mouse anti Rat IgG1, clone MARG1-2 recognizes the heavy chain of the rat immunoglobulin G1 subclass. No cross-reactivity has been found with other rat immunoglobulin classes or subclasses.

References

1. Pelegrí, C. *et al.* (2001) Prevention of adjuvant arthritis by the W3/25 anti-CD4 monoclonal antibody is associated with a decrease of blood CD4(+)CD45RC(high) T cells. [Clin Exp Immunol. 125 \(3\): 470-7.](#)
 2. Sato, K. *et al.* (2001) Carbon monoxide generated by heme oxygenase-1 suppresses the rejection of mouse-to-rat cardiac transplants. [J Immunol. 166 \(6\): 4185-94.](#)
 3. Bézie, S. *et al.* (2015) Fibrinogen-Like Protein 2/Fibroleukin Induces Long-Term Allograft Survival in a Rat Model through Regulatory B Cells. [PLoS One. 10 \(3\): e0119686.](#)
 4. Bézie, S. *et al.* (2015) Compensatory Regulatory Networks between CD8 T, B, and Myeloid Cells in Organ Transplantation Tolerance. [J Immunol. 195 \(12\): 5805-15.](#)
 5. 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

This product is shipped at ambient temperature. It is recommended to aliquot and store at -20°C on receipt. When thawed, aliquot the sample as needed. Keep aliquots at 2-8°C for short term use (up to 4 weeks) and store the remaining aliquots at -20°C.

Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.

Guarantee

12 months from date of despatch

Health And Safety Information

Material Safety Datasheet documentation #10328 available at: <https://www.bio-rad-antibodies.com/SDS/MCA194B>
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Regulatory

For research purposes only

Related Products

Recommended Negative Controls

[MOUSE IgG1 NEGATIVE CONTROL:Biotin \(MCA1209B\)](#)

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To find a batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets

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