

Datasheet: MCA194P

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| Description: | MOUSE ANTI RAT IgG1 HEAVY CHAIN:HRP |
| Specificity: | IgG1 HEAVY CHAIN |
| Format: | HRP |
| 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 |
|----------------------------|-----|----|----------------|--------------------|
| Immunohistology - Frozen | | | ▪ | |
| Immunohistology - Paraffin | | | ▪ | |
| ELISA | ▪ | | | 0.5ug/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.

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| Target Species | Rat |
| Product Form | Purified IgG conjugated to Horseradish Peroxidase (HRP) - liquid |
| Preparation | Purified IgG prepared by affinity chromatography from tissue culture supernatant |
| Buffer Solution | Phosphate buffered saline |
| Preservative | 0.01% Thiomersal |
| Stabilisers | 50% Glycerol |
| Approx. Protein Concentrations | IgG concentration 1.0 mg/ml |
| Immunogen | Rat IR27 IgG1 myeloma protein |
| External Database Links | UniProt: P20759 Related reagents Entrez Gene: |

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| Fusion Partners | Spleen cells from immunised BALB/c mice were fused with cells of the mouse SP2/0 myeloma cell line. |
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| 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. |
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| References | <ol style="list-style-type: none">1. Pelegrí, C. <i>et al.</i> (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. <i>et al.</i> (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. <i>et al.</i> (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. <i>et al.</i> (2015) Compensatory Regulatory Networks between CD8 T, B, and Myeloid Cells in Organ Transplantation Tolerance. J Immunol. 195 (12): 5805-15. |
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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. 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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| Shelf Life | 18 months from date of despatch. |
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| Health And Safety Information | Material Safety Datasheet documentation available at: Material Safety Datasheet Documentation #10097 available at: https://www.bio-rad-antibodies.com/uploads/MSDS/10097.pdf |
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| Regulatory | For research purposes only |
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Related Products

Recommended Useful Reagents

[AbGUARD® HRP STABILIZER PLUS \(BUF052A\)](#)

[AbGUARD® HRP STABILIZER PLUS \(BUF052B\)](#)

[AbGUARD® HRP STABILIZER PLUS \(BUF052C\)](#)

[TMB CORE \(BUF056A\)](#)

[TMB CORE+ \(BUF062A\)](#)

[TMB SIGNAL+ \(BUF054A\)](#)

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