

## 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

### 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.

|                                       |                                                                                  |                                  |                          |
|---------------------------------------|----------------------------------------------------------------------------------|----------------------------------|--------------------------|
| <b>Target Species</b>                 | Rat                                                                              |                                  |                          |
| <b>Product Form</b>                   | Purified IgG conjugated to Fluorescein Isothiocyanate Isomer 1 (FITC) - liquid   |                                  |                          |
| <b>Max Ex/Em</b>                      | <b>Fluorophore</b>                                                               | <b>Excitation Max (nm)</b>       | <b>Emission Max (nm)</b> |
|                                       | FITC                                                                             | 490                              | 525                      |
| <b>Preparation</b>                    | Purified IgG prepared by affinity chromatography from tissue culture supernatant |                                  |                          |
| <b>Buffer Solution</b>                | Phosphate buffered saline                                                        |                                  |                          |
| <b>Preservative Stabilisers</b>       | 0.09% Sodium Azide                                                               |                                  |                          |
|                                       | 50% Glycerol                                                                     |                                  |                          |
| <b>Approx. Protein Concentrations</b> | IgG concentration 1 mg/ml                                                        |                                  |                          |
| <b>Immunogen</b>                      | Rat IgG2b.                                                                       |                                  |                          |
| <b>External Database Links</b>        | <b>UniProt:</b>                                                                  |                                  |                          |
|                                       | <a href="http://www.uniprot.org/entry/P20761">P20761</a>                         | <a href="#">Related reagents</a> |                          |

|                                      |                                                                                                                                                                                                                                                                                                                                                                                                  |
|--------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Specificity</b>                   | <b>Mouse anti Rat IgG2b Heavy Chain antibody, clone MARG2b-3</b> recognizes the gamma-2b heavy chain of rat immunoglobulin.                                                                                                                                                                                                                                                                      |
| <b>Flow Cytometry</b>                | Use 50ul of the suggested working dilution to label 10 <sup>6</sup> cells in 100ul.                                                                                                                                                                                                                                                                                                              |
| <b>References</b>                    | 1. Le Roy, D. <i>et al.</i> (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. <a href="#">J Immunol. 162 (12): 7454-60.</a>                                                                                              |
| <b>Storage</b>                       | <p>Store at +4°C or at -20°C if preferred.</p> <p>This product should be stored undiluted.</p> <p>Storage in frost-free freezers is not recommended. This product is photosensitive and should be protected from light.</p> <p>Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.</p> |
| <b>Shelf Life</b>                    | 18 months from date of despatch.                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Health And Safety Information</b> | <p>Material Safety Datasheet documentation available at:</p> <p>Material Safety Datasheet Documentation #10049 available at:</p> <p><a href="https://www.bio-rad-antibodies.com/uploads/MSDS/10049.pdf">https://www.bio-rad-antibodies.com/uploads/MSDS/10049.pdf</a></p>                                                                                                                        |
| <b>Regulatory</b>                    | For research purposes only                                                                                                                                                                                                                                                                                                                                                                       |

## Related Products

### Recommended Negative Controls

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

|                                  |                                                                                                                                         |                  |                                                                                                                                                 |               |                                                                                                                                                     |
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