

## Datasheet: MCA1211B

<b>Description:</b>	RAT IgG1 NEGATIVE CONTROL:Biotin
<b>Specificity:</b>	RAT IgG1 NEGATIVE CONTROL
<b>Format:</b>	Biotin
<b>Product Type:</b>	Negative/Isotype Control
<b>Isotype:</b>	IgG1
<b>Quantity:</b>	0.1 mg

## Product Details

**RRID** AB\_323496

**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	■			*

Where this antibody has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures.

\* It is recommended that the user dilutes the antibody for use in their own system to a concentration equivalent to their test antibody.

**Target Species** Negative Control

**Product Form** Purified IgG conjugated to Biotin - liquid

**Preparation** Purified IgG prepared by affinity chromatography on Protein A

**Buffer Solution** Phosphate buffered saline

**Preservative** 0.09% Sodium Azide  
**Stabilisers** 1% Bovine Serum Albumin

**Approx. Protein Concentrations** IgG concentration 0.1 mg/ml

**Fusion Partners** Spleen cells from immunized PVG-RT1u rat were fused with cells of the rat Y3/Ag1.2.3 myeloma cell line.

**Specificity** **Rat IgG1 Negative Control antibody** is suitable for the measurement of non-specific binding of rat monoclonal antibodies of isotype IgG1 to target cells. Rat IgG1 Negative Control antibody is intended for use on mouse tissues.

**N.B.** This Rat IgG1 Negative Control antibody recognizes a human cell surface marker, and

therefore cannot be used as a negative control in this species.

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<b>Flow Cytometry</b>	Use 10ul of the suggested working dilution to label 10 <sup>6</sup> cells in 100ul.
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<b>References</b>	<ol style="list-style-type: none"><li>1. Grimm, M. <i>et al.</i> (2010) Evaluation of immunological escape mechanisms in a mouse model of colorectal liver metastases. <a href="#">BMC Cancer. 10:82.</a></li><li>2. Tighe, R.M. <i>et al.</i> (2011) Ozone Inhalation Promotes CX3CR1-Dependent Maturation of Resident Lung Macrophages That Limit Oxidative Stress and Inflammation. <a href="#">J Immunol. 187: 4800-8.</a></li><li>3. Heidt, T. <i>et al.</i> (2016) Molecular Imaging of Activated Platelets Allows the Detection of Pulmonary Embolism with Magnetic Resonance Imaging. <a href="#">Sci Rep. 6: 25044.</a></li></ol>
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<b>Storage</b>	Store at +4°C or at -20°C if preferred.
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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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<b>Shelf Life</b>	18 months from date of despatch.
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<b>Health And Safety Information</b>	Material Safety Datasheet documentation #10041 available at: 10041: <a href="https://www.bio-rad-antibodies.com/uploads/MSDS/10041.pdf">https://www.bio-rad-antibodies.com/uploads/MSDS/10041.pdf</a>
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<b>Regulatory</b>	For research purposes only
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## Related Products

### Recommended Negative Controls

[RAT IgG1 NEGATIVE CONTROL:BIOTIN \(MCA6004B\)](#)

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