

## Datasheet: MCA1211

<b>Description:</b>	RAT IgG1 NEGATIVE CONTROL
<b>Specificity:</b>	RAT IgG1 NEGATIVE CONTROL
<b>Format:</b>	Purified
<b>Product Type:</b>	Negative/Isotype Control
<b>Isotype:</b>	IgG1
<b>Quantity:</b>	1 ml

## Product Details

**RRID** AB\_322672

### 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	▪			*
Immunohistology - Frozen	▪			
Immunohistology - Paraffin			▪	
ELISA	▪			
Immunoprecipitation			▪	
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.

\* 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 - liquid

**Preparation** Purified IgG prepared by affinity chromatography on Protein G from tissue culture supernatant

**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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**Flow Cytometry**            Use 10ul of the suggested working dilution to label 10<sup>6</sup> cells in 100ul.

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**References**                    1. Grimm, M. *et al.* (2010) Evaluation of immunological escape mechanisms in a mouse model of colorectal liver metastases. [BMC Cancer. 10:82.](#)  
2. Tighe, R.M. *et al.* (2011) Ozone Inhalation Promotes CX3CR1-Dependent Maturation of Resident Lung Macrophages That Limit Oxidative Stress and Inflammation. [J Immunol. 187: 4800-8.](#)  
3. Heidt, T. *et al.* (2016) Molecular Imaging of Activated Platelets Allows the Detection of Pulmonary Embolism with Magnetic Resonance Imaging. [Sci Rep. 6: 25044.](#)

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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 #10041 available at:  
10041: <https://www.bio-rad-antibodies.com/uploads/MSDS/10041.pdf>

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**Regulatory**                    For research purposes only

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## Related Products

### Recommended Negative Controls

[RAT IgG1 NEGATIVE CONTROL \(MCA6004GA\)](#)

**North & South**    Tel: +1 800 265 7376

**America**            Fax: +1 919 878 3751

Email: [antibody\\_sales\\_us@bio-rad.com](mailto:antibody_sales_us@bio-rad.com)

**Worldwide**

Tel: +44 (0)1865 852 700

Fax: +44 (0)1865 852 739

Email: [antibody\\_sales\\_uk@bio-rad.com](mailto:antibody_sales_uk@bio-rad.com)

**Europe**

Tel: +49 (0) 89 8090 95 21

Fax: +49 (0) 89 8090 95 50

Email: [antibody\\_sales\\_de@bio-rad.com](mailto:antibody_sales_de@bio-rad.com)

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