

Datasheet: MCA1211EL

Description:	RAT IgG1 NEGATIVE CONTROL:Low Endotoxin
Specificity:	RAT IgG1 NEGATIVE CONTROL
Format:	Low Endotoxin
Product Type:	Negative/Isotype Control
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	▪			
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 Stabilisers	None present
Carrier Free	Yes
Endotoxin Level	<0.01 EU/ug
Approx. Protein Concentrations	IgG concentration 1.0 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	<p>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.</p> <p>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.</p>
Flow Cytometry	Use 10ul of the suggested working dilution to label 10 ⁶ cells in 100ul.
References	<ol style="list-style-type: none"> 1. Grimm, M. <i>et al.</i> (2010) Evaluation of immunological escape mechanisms in a mouse model of colorectal liver metastases. BMC Cancer. 10:82. 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. J Immunol. 187: 4800-8. 3. Heidt, T. <i>et al.</i> (2016) Molecular Imaging of Activated Platelets Allows the Detection of Pulmonary Embolism with Magnetic Resonance Imaging. Sci Rep. 6: 25044.
Storage	<p>Store at -20°C only.</p> <p>This product should be stored undiluted.</p> <p>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.</p>
Shelf Life	18 months from date of despatch.
Health And Safety Information	Material Safety Datasheet documentation #10162 available at: 10162: https://www.bio-rad-antibodies.com/uploads/MSDS/10162.pdf
Regulatory	For research purposes only

Related Products

Recommended Negative Controls

[RAT IgG1 NEGATIVE CONTROL:Low Endotoxin \(MCA6004EL\)](#)

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