

# Datasheet: MCA1210PE

**BATCH NUMBER 151526**

<b>Description:</b>	MOUSE IgG2a NEGATIVE CONTROL:RPE
<b>Specificity:</b>	MOUSE IgG2a NEGATIVE CONTROL
<b>Format:</b>	RPE
<b>Product Type:</b>	Negative/Isotype Control
<b>Isotype:</b>	IgG2a
<b>Quantity:</b>	100 TESTS

## 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	■			*

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.

<b>Target Species</b>	Negative Control		
<b>Product Form</b>	Purified IgG conjugated to R. Phycoerythrin (RPE) - lyophilized		
<b>Reconstitution</b>	Reconstitute with 1 ml distilled water		
<b>Max Ex/Em</b>	<b>Fluorophore</b>	<b>Excitation Max (nm)</b>	<b>Emission Max (nm)</b>
	RPE 488nm laser	496	578
<b>Preparation</b>	Purified IgG prepared by affinity chromatography on Protein A from tissue culture supernatant		
<b>Buffer Solution</b>	Phosphate buffered saline		
<b>Preservative Stabilisers</b>	0.09% Sodium Azide		
	1%	Bovine Serum Albumin	
	5%	Sucrose	

<b>Immunogen</b>	Human T lymphocytes.
<b>RRID</b>	AB_322514
<b>Fusion Partners</b>	Spleen cells from immunized BALB/c mice were fused with cells of the NSI mouse myeloma cell line.
<b>Specificity</b>	<p><b>Mouse IgG2a Negative Control</b> is suitable for use as a matched isotype negative control reagent to assess the level of non-specific binding of mouse IgG2a monoclonal antibodies to rat cells. This antibody has been tested and found to be negative on the following rat cells – peripheral blood leucocytes, thymocytes, splenocytes and macrophages.</p> <p>Mouse IgG2a Negative Control (<b>MCA1210</b>) recognizes the human CD45 antigen and therefore human leucocytes may be used as a positive control for this product.</p> <p>THIS PRODUCT IS NOT SUITABLE FOR USE AS A NEGATIVE CONTROL ON HUMAN TISSUES.</p>
<b>Flow Cytometry</b>	Use 10ul of the suggested working dilution to label 10 <sup>6</sup> cells in 100ul.
<b>References</b>	1. Fijak, M. <i>et al.</i> (2015) Influence of Testosterone on Inflammatory Response in Testicular Cells and Expression of Transcription Factor Foxp3 in T Cells. <a href="#">Am J Reprod Immunol. 74 (1): 12-25.</a>
<b>Storage</b>	<p>Prior to reconstitution store at +4°C. Following reconstitution store at +4°C.</p> <p>DO NOT FREEZE.</p> <p>This product should be stored undiluted. This product is photosensitive and should be protected from light. Should this product contain a precipitate we recommend microcentrifugation before use.</p>
<b>Guarantee</b>	12 months from date of despatch
<b>Health And Safety Information</b>	Material Safety Datasheet documentation #20487 available at: <a href="https://www.bio-rad-antibodies.com/SDS/MCA1210PE20487">https://www.bio-rad-antibodies.com/SDS/MCA1210PE20487</a>
<b>Regulatory</b>	For research purposes only

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To find a batch/lot specific datasheet for this product, please use our online search tool at: [bio-rad-antibodies.com/datasheets](https://bio-rad-antibodies.com/datasheets)  
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