

## Datasheet: MCA1210B

<b>Description:</b>	MOUSE IgG2a NEGATIVE CONTROL:Biotin
<b>Specificity:</b>	MOUSE IgG2a NEGATIVE CONTROL
<b>Format:</b>	Biotin
<b>Product Type:</b>	Negative/Isotype Control
<b>Isotype:</b>	IgG2a
<b>Quantity:</b>	0.1 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	■			*

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 suggested that the user adjusts the concentration of this reagent to be the same as the test reagent.

<b>Target Species</b>	Negative Control
<b>Product Form</b>	Purified IgG conjugated to Biotin - liquid
<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</b>	0.09% Sodium Azide
<b>Stabilisers</b>	1% Bovine Serum Albumin
<b>Approx. Protein Concentrations</b>	IgG concentration 0.1 mg/ml
<b>Immunogen</b>	Human T lymphocytes.
<b>RRID</b>	AB_324693
<b>Fusion Partners</b>	Spleen cells from immunized BALB/c mice were fused with cells of the NS1 mouse myeloma cell line.

### Specificity

**Mouse IgG2a Negative Control** 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.

Mouse IgG2a Negative Control (**MCA1210**) recognizes the human CD45 antigen and therefore human leucocytes may be used as a positive control for this product.

THIS PRODUCT IS NOT SUITABLE FOR USE AS A NEGATIVE CONTROL ON HUMAN TISSUES.

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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>	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>
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<b>Storage</b>	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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<b>Guarantee</b>	12 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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