



## Datasheet: MCA1210PB

<b>Description:</b>	MOUSE IgG2a NEGATIVE CONTROL:Pacific Blue®
<b>Specificity:</b>	MOUSE IgG2a NEGATIVE CONTROL
<b>Format:</b>	Pacific Blue®
<b>Product Type:</b>	Negative/Isotype Control
<b>Isotype:</b>	IgG2a
<b>Quantity:</b>	100 TESTS/1ml

## 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 Pacific Blue® - liquid						
<b>Max Ex/Em</b>	<table><thead><tr><th>Fluorophore</th><th>Excitation Max (nm)</th><th>Emission Max (nm)</th></tr></thead><tbody><tr><td>Pacific Blue®</td><td>410</td><td>455</td></tr></tbody></table>	Fluorophore	Excitation Max (nm)	Emission Max (nm)	Pacific Blue®	410	455
Fluorophore	Excitation Max (nm)	Emission Max (nm)					
Pacific Blue®	410	455					
<b>Preparation</b>	Purified IgG prepared by affinity chromatography on Protein A						
<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 0.05 mg/ml						
<b>Immunogen</b>	Human T lymphocytes.						
<b>RRID</b>	AB_567381						
<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.

---

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

---

**References** 1. Fijak, M. *et al.* (2015) Influence of Testosterone on Inflammatory Response in Testicular Cells and Expression of Transcription Factor Foxp3 in T Cells. [Am J Reprod Immunol. 74 \(1\): 12-25.](#)

---

**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. This product is photosensitive and should be protected from light.

Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

---

**Guarantee** 12 months from date of despatch

---

**Acknowledgements** This product is provided under an intellectual property licence from Life Technologies Corporation. The transfer of this product is contingent on the buyer using the purchased product solely in research, excluding contract research or any fee for service research, and the buyer must not sell or otherwise transfer this product or its components for (a) diagnostic, therapeutic or prophylactic purposes; (b) testing, analysis or screening services, or information in return for compensation on a per-test basis; (c) manufacturing or quality assurance or quality control, or (d) resale, whether or not resold for use in research. For information on purchasing a license to this product for purposes other than as described above, contact Life Technologies Corporation, 5791 Van Allen Way, Carlsbad CA 92008 USA or [outlicensing@thermofisher.com](mailto:outlicensing@thermofisher.com)

---

**Health And Safety Information** Material Safety Datasheet documentation #10041 available at: 10041: <https://www.bio-rad-antibodies.com/uploads/MSDS/10041.pdf>

---

**Regulatory** For research purposes only

## Related Products

### Recommended Negative Controls

[MOUSE IgG2a NEGATIVE CONTROL:Pacific Blue® \(MCA929PB\)](#)

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

'M364915:200529'

