

Datasheet: MCA928PB

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| Description: | MOUSE IgG1 NEGATIVE CONTROL:Pacific Blue® |
| Specificity: | MOUSE IgG1 NEGATIVE CONTROL |
| Format: | Pacific Blue® |
| Product Type: | Negative/Isotype Control |
| Isotype: | IgG1 |
| Quantity: | 100 TESTS/1ml |

Product Details

RRID AB_567338

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 | ■ | | | * |

Where this antibody has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures.

*This antibody should be used at the same concentration as the test antibody.

Target Species Negative Control

Product Form Purified IgG conjugated to Pacific Blue® - liquid

| Max Ex/Em | Fluorophore | Excitation Max (nm) | Emission Max (nm) |
|-----------|---------------|---------------------|-------------------|
| | Pacific Blue® | 410 | 455 |

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

Buffer Solution Phosphate buffered saline

Preservative 0.09% Sodium Azide
Stabilisers 1% Bovine Serum Albumin

Approx. Protein Concentrations IgG concentration 0.05 mg/ml

Specificity **Mouse IgG1 negative control** is negative by flow cytometry on all human cells and cell lines tested. Further tests have also shown that this reagent is also suitable for use as a negative control with bovine ([Maslanka et al, 2012](#)), ovine, porcine ([Kapetanovic et al, 2012](#)), equine ([Jacks et al, 2007](#)), canine ([Maiolini et al, 2012](#)), lapine ([Pakandl et al, 2008](#)) and guinea-pig tissues.

This reagent recognizes a rat cell surface marker, and therefore cannot be used as a negative control in this species.

Flow Cytometry

Use 10ul of the suggested working dilution to label 10⁶ cells or 100ul whole blood.

References

1. Kupatt, C. *et al.* (2000) c7E3Fab reduces postischemic leukocyte-thrombocyte interaction mediated by fibrinogen. Implications for myocardial reperfusion injury. [Arterioscler Thromb Vasc Biol. 20 \(10\): 2226-32.](#)
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3. Barratt-Due, A. *et al.* (2011) *Ornithodoros moubata* Complement Inhibitor Is an Equally Effective C5 Inhibitor in Pigs and Humans. [J Immunol. 187: 4913-9.](#)
4. Kapetanovic, R. *et al.* (2012) Pig bone marrow-derived macrophages resemble human macrophages in their response to bacterial lipopolysaccharide. [J Immunol. 188: 3382-94.](#)
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6. Maślanka, T. *et al.* (2012) The presence of CD25 on bovine WC1+ γδ T cells is positively correlated with their production of IL-10 and TGF-β, but not IFN-γ [Polish Journal of Veterinary Sciences.15: 11–20.](#)
7. Pakandl, M. *et al.* (2008) Immune response to rabbit coccidiosis: a comparison between infections with *Eimeria flavescens* and *E. intestinalis*. [Folia Parasitol \(Praha\). 55:1-6.](#)
8. Jacks, S. *et al.* (2007) Experimental infection of neonatal foals with *Rhodococcus equi* triggers adult-like gamma interferon induction. [Clin Vaccine Immunol.14:669-77](#)
9. Kamble, N.M. *et al.* (2016) Interaction of a live attenuated *Salmonella gallinarum* vaccine candidate with chicken bone marrow-derived dendritic cells. [Avian Pathol. Jan 26:1-24. \[Epub ahead of print\]](#)
10. Brace, P.T. *et al.* (2017) *Mycobacterium tuberculosis* subverts negative regulatory pathways in human macrophages to drive immunopathology. [PLoS Pathog. 13 \(6\): e1006367.](#)
11. Topoluk, N. *et al.* (2017) Amniotic Mesenchymal Stromal Cells Exhibit Preferential Osteogenic and Chondrogenic Differentiation and Enhanced Matrix Production Compared With Adipose Mesenchymal Stromal Cells. [Am J Sports Med. 363546517706138.](#)
12. Iwaszko-Simonik, A. *et al.* (2015) Expression of surface platelet receptors (CD62P and CD41/61) in horses with recurrent airway obstruction (RAO). [Vet Immunol Immunopathol. 164 \(1-2\): 87-92.](#)
13. Arzi, B. *et al.* (2017) Therapeutic Efficacy of Fresh, Allogeneic Mesenchymal Stem Cells for Severe Refractory Feline Chronic Gingivostomatitis. [Stem Cells Transl Med. 6 \(8\): 1710-22.](#)

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

18 months from date of despatch.

Acknowledgements

The Pacific Blue® dye antibody conjugates in this product are sold under license from Molecular Probes, Inc. for research use only, except for use in combination with microarrays, and are covered by pending and issued patents.

Health And Safety

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

Information

Regulatory For research purposes only

Related Products

Recommended Negative Controls

[MOUSE IgG1 NEGATIVE CONTROL:Pacific Blue® \(MCA1209PB\)](#)

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