

## Datasheet: MCA928

**BATCH NUMBER 1808**

|                      |                             |
|----------------------|-----------------------------|
| <b>Description:</b>  | MOUSE IgG1 NEGATIVE CONTROL |
| <b>Specificity:</b>  | MOUSE IgG1 NEGATIVE CONTROL |
| <b>Format:</b>       | Purified                    |
| <b>Product Type:</b> | Negative/Isotype Control    |
| <b>Isotype:</b>      | IgG1                        |
| <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. Suggested working dilutions are given as a guide only. \*It is recommended that the user titrates the antibody for use in their own system to a concentration equivalent to that of their test reagents.

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| <b>Target Species</b>                 | Negative Control  |
| <b>Product Form</b>                   | Purified IgG - 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 Stabilisers</b>       | 0.09% Sodium Azide<br>1% Bovine Serum Albumin   |
| <b>Approx. Protein Concentrations</b> | IgG concentration 0.1mg/ml  |
| <b>RRID</b>                           | AB_322259   |
| <b>Specificity</b>                    | <b>Mouse IgG1 negative control</b> 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.***

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| <b>Flow Cytometry</b> | Use 10ul of the suggested working dilution to label 10 <sup>6</sup> cells or 100ul whole blood |
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|-------------------|---|
| <b>References</b> | <ol style="list-style-type: none"> <li>1. Kupatt, C. <i>et al</i>. (2000) c7E3Fab reduces postischemic leukocyte-thrombocyte interaction mediated by fibrinogen. Implications for myocardial reperfusion injury. <a href="#">Arterioscler Thromb Vasc Biol. 20 (10): 2226-32.</a></li> <li>2. Dalli, J. <i>et al</i>. (2008) Annexin 1 mediates the rapid anti-inflammatory effects of neutrophil-derived microparticles. <a href="#">Blood. 112 (6): 2512-9.</a></li> <li>3. Barratt-Due, A. <i>et al</i>. (2011) Ornithodoros moubata Complement Inhibitor Is an Equally Effective C5 Inhibitor in Pigs and Humans. <a href="#">J Immunol. 187: 4913-9.</a></li> <li>4. Kapetanovic, R. <i>et al</i>. (2012) Pig bone marrow-derived macrophages resemble human macrophages in their response to bacterial lipopolysaccharide. <a href="#">J Immunol. 188: 3382-94.</a></li> <li>5. Maiolini, A. <i>et al</i>. (2012) Toll-like receptors 4 and 9 are responsible for the maintenance of the inflammatory reaction in canine steroid-responsive meningitis-arteritis, a large animal model for neutrophilic meningitis. <a href="#">J Neuroinflammation. 9: 226.</a></li> <li>6. Maślanka, T. <i>et al</i>. (2012) The presence of CD25 on bovine WC1+ gammadelta T cells is positively correlated with their production of IL-10 and TGF-beta, but not IFN-gamma. <a href="#">Pol J Vet Sci. 15 (1): 11-20.</a></li> <li>7. Pakandl, M. <i>et al</i>. (2008) Immune response to rabbit coccidiosis: a comparison between infections with Eimeria flavescens and E. intestinalis. <a href="#">Folia Parasitol (Praha). 55:1-6.</a></li> <li>8. Jacks, S. <i>et al</i>. (2007) Experimental infection of neonatal foals with Rhodococcus equi triggers adult-like gamma interferon induction. <a href="#">Clin Vaccine Immunol. 14:669-77</a></li> <li>9. Kamble, N.M. <i>et al</i>. (2016) Interaction of a live attenuated <i>Salmonella gallinarum</i> vaccine candidate with chicken bone marrow-derived dendritic cells. <a href="#">Avian Pathol. Jan 26:1-24. [Epub ahead of print]</a></li> <li>10. Brace, P.T. <i>et al</i>. (2017) <i>Mycobacterium tuberculosis</i> subverts negative regulatory pathways in human macrophages to drive immunopathology. <a href="#">PLoS Pathog. 13 (6): e1006367.</a></li> <li>11. Topoluk, N. <i>et al</i>. (2017) Amniotic Mesenchymal Stromal Cells Exhibit Preferential Osteogenic and Chondrogenic Differentiation and Enhanced Matrix Production Compared With Adipose Mesenchymal Stromal Cells. <a href="#">Am J Sports Med. 363546517706138.</a></li> <li>12. Iwaszko-Simonik, A. <i>et al</i>. (2015) Expression of surface platelet receptors (CD62P and CD41/61) in horses with recurrent airway obstruction (RAO). <a href="#">Vet Immunol Immunopathol. 164 (1-2): 87-92.</a></li> <li>13. Arzi, B. <i>et al</i>. (2017) Therapeutic Efficacy of Fresh, Allogeneic Mesenchymal Stem Cells for Severe Refractory Feline Chronic Gingivostomatitis. <a href="#">Stem Cells Transl Med. 6 (8): 1710-22.</a></li> </ol> |
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| <b>Storage</b> | Store at +4°C or at -20°C if preferred. |
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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>                     | 18 months from date of despatch.  |
| <b>Health And Safety Information</b> | Material Safety Datasheet documentation #10041 available at:<br><a href="https://www.bio-rad-antibodies.com/SDS/MCA92810041">https://www.bio-rad-antibodies.com/SDS/MCA92810041</a> |
| <b>Regulatory</b>                    | For research purposes only  |

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