

Datasheet: MCA928

BATCH NUMBER 0715

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| Description: | MOUSE IgG1 NEGATIVE CONTROL |
| Specificity: | MOUSE IgG1 NEGATIVE CONTROL |
| Format: | Purified |
| Product Type: | Negative/Isotype Control |
| Isotype: | IgG1 |
| Quantity: | 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.

| | 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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| Target Species | Negative Control |
| Product Form | Purified IgG - liquid |
| Preparation | Purified IgG prepared by affinity chromatography on Protein A from tissue culture supernatant |
| Buffer Solution | Phosphate buffered saline |
| Preservative Stabilisers | 0.09% Sodium Azide 1% Bovine Serum Albumin |
| Approx. Protein Concentrations | IgG concentration 0.1mg/ml |
| RRID | AB_322259 |
| 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.

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| Flow Cytometry | Use 10ul of the suggested working dilution to label 10 ⁶ cells or 100ul whole blood |
| References | <ol style="list-style-type: none"> 1. Kupatt, C. <i>et al</i>. (2000) c7E3Fab reduces postischemic leukocyte-thrombocyte interaction mediated by fibrinogen. Implications for myocardial reperfusion injury. Arterioscler Thromb Vasc Biol. 20 (10): 2226-32. 2. Dalli, J. <i>et al</i>. (2008) Annexin 1 mediates the rapid anti-inflammatory effects of neutrophil-derived microparticles. Blood. 112 (6): 2512-9. 3. Barratt-Due, A. <i>et al</i>. (2011) Ornithodoros moubata Complement Inhibitor Is an Equally Effective C5 Inhibitor in Pigs and Humans. J Immunol. 187: 4913-9. 4. Kapetanovic, R. <i>et al</i>. (2012) Pig bone marrow-derived macrophages resemble human macrophages in their response to bacterial lipopolysaccharide. J Immunol. 188: 3382-94. 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. J Neuroinflammation. 9: 226. 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. Pol J Vet Sci. 15 (1): 11-20. 7. Pakandl, M. <i>et al</i>. (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. <i>et al</i>. (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. <i>et al</i>. (2016) Interaction of a live attenuated <i>Salmonella gallinarum</i> vaccine candidate with chicken bone marrow-derived dendritic cells. Avian Pathol. Jan 26:1-24. [Epub ahead of print] 10. Brace, P.T. <i>et al</i>. (2017) <i>Mycobacterium tuberculosis</i> subverts negative regulatory pathways in human macrophages to drive immunopathology. PLoS Pathog. 13 (6): e1006367. 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. Am J Sports Med. 363546517706138. 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). Vet Immunol Immunopathol. 164 (1-2): 87-92. 13. Arzi, B. <i>et al</i>. (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. 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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| Guarantee | 18 months from date of despatch. |
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| Health And Safety Information | Material Safety Datasheet documentation #10041 available at: https://www.bio-rad-antibodies.com/SDS/MCA92810041 |
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| Regulatory | 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
'M335665:181204'

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