

## Datasheet: MCA928PE

|                      |                                 |
|----------------------|---------------------------------|
| <b>Description:</b>  | MOUSE IgG1 NEGATIVE CONTROL:RPE |
| <b>Specificity:</b>  | MOUSE IgG1 NEGATIVE CONTROL     |
| <b>Format:</b>       | RPE                             |
| <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 using appropriate negative/positive controls.

|                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                      |                   |
|--------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|-------------------|
| Target Species           | Negative Control                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                      |                   |
| Product Form             | Purified IgG conjugated to R. Phycoerythrin (RPE) - lyophilized                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                      |                   |
| Reconstitution           | Reconstitute with 1 ml distilled water                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                      |                   |
| Max Ex/Em                | Fluorophore                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Excitation Max (nm)  | Emission Max (nm) |
|                          | RPE 488nm laser                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 496                  | 578               |
| 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 |                   |
|                          | 5%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Sucrose              |                   |
| Specificity              | <p><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 (<a href="#">Maslanka et al, 2012</a>), ovine, porcine (<a href="#">Kapetanovic et al, 2012</a>), equine (<a href="#">Jacks et al, 2007</a>), canine (<a href="#">Maiolini et al, 2012</a>) , lapine (<a href="#">Pakandl et al, 2008</a>) and guinea-pig tissues.</p> <p><b><i>This reagent recognises a rat cell surface marker, and therefore cannot be used as a negative control in this species.</i></b></p> |                      |                   |

|                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|--------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Flow Cytometry</b>                | Use 10ul of the suggested working dilution to label 10 <sup>6</sup> separated cells or 100ul lysed whole peripheral blood.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <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+ γδ T cells is positively correlated with their production of IL-10 and TGF-β, but not IFN-γ <a href="#">Polish Journal of Veterinary Sciences.15: 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> |
| <b>Storage</b>                       | <p>Prior to reconstitution store at +4°C. Following reconstitution store at +4°C.</p> <p>DO NOT FREEZE.</p> <p>This product should be stored undiluted. This product is photosensitive and should be protected from light. Should this product contain a precipitate we recommend microcentrifugation before use.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Shelf Life</b>                    | 12 months from date of reconstitution.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Health And Safety Information</b> | Material Safety Datasheet documentation #10075 available at: 10075: <a href="https://www.bio-rad-antibodies.com/uploads/MSDS/10075.pdf">https://www.bio-rad-antibodies.com/uploads/MSDS/10075.pdf</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Regulatory</b>                    | For research purposes only                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |

## Related Products

## Recommended Negative Controls

### MOUSE IgG1 NEGATIVE CONTROL:RPE (MCA1209PE)

|                                  |                                                                                                                                         |                  |                                                                                                                                                 |               |                                                                                                                                                     |
|----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|---------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>North &amp; South America</b> | Tel: +1 800 265 7376<br>Fax: +1 919 878 3751<br>Email: <a href="mailto:antibody_sales_us@bio-rad.com">antibody_sales_us@bio-rad.com</a> | <b>Worldwide</b> | Tel: +44 (0)1865 852 700<br>Fax: +44 (0)1865 852 739<br>Email: <a href="mailto:antibody_sales_uk@bio-rad.com">antibody_sales_uk@bio-rad.com</a> | <b>Europe</b> | Tel: +49 (0) 89 8090 95 21<br>Fax: +49 (0) 89 8090 95 50<br>Email: <a href="mailto:antibody_sales_de@bio-rad.com">antibody_sales_de@bio-rad.com</a> |
|----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|---------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|

'M301162:170106'

**Printed on 21 Jun 2018**

---

© 2018 Bio-Rad Laboratories Inc | [Legal](#) | [Imprint](#)