

## Datasheet: MCA928P750

<b>Description:</b>	MOUSE IgG1 NEGATIVE CONTROL:RPE-Alexa Fluor® 750
<b>Specificity:</b>	MOUSE IgG1 NEGATIVE CONTROL
<b>Format:</b>	RPE-ALEXA FLUOR® 750
<b>Product Type:</b>	Negative/Isotype Control
<b>Isotype:</b>	IgG1
<b>Quantity:</b>	100 TESTS/1ml

## Product Details

**RRID** AB\_567341

**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) - Alexa Fluor® 750 - lyophilized

**Reconstitution** Reconstitute with 1 ml distilled water

Max Ex/Em	Fluorophore	Excitation Max (nm)	Emission Max (nm)
	RPE-Alexa Fluor®750 488nm laser	496	779
RPE-Alexa Fluor®750 561nm laser	546	779	

**Preparation** Purified IgG prepared by affinity chromatography on Protein G from tissue culture supernatant.

**Buffer Solution** Phosphate buffered saline

**Preservative** 0.09% Sodium Azide  
**Stabilisers** 1% Bovine Serum Albumin  
 5% Sucrose

**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<sup>6</sup> separated cells or 100ul lysed whole peripheral blood.

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- References**
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  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+  $\gamma\delta$  T cells is positively correlated with their production of IL-10 and TGF- $\beta$ , but not IFN- $\gamma$  [Polish Journal of Veterinary Sciences.15: 11–20.](#)
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  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. \[Epub ahead of print\]](#)
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  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.](#)

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**Storage** Prior to reconstitution store at +4°C. Following reconstitution store at +4°C.

DO NOT FREEZE.

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.

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**Guarantee** 12 months from date of reconstitution.

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**Health And Safety Information** Material Safety Datasheet documentation #10075 available at:  
10075: <https://www.bio-rad-antibodies.com/uploads/MSDS/10075.pdf>

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**Regulatory** For research purposes only

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## Related Products

### Recommended Negative Controls

[MOUSE IgG1 NEGATIVE CONTROL:RPE-Alexa Fluor® 750 \(MCA1209P750\)](#)

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