

Datasheet: MCA928A488

BATCH NUMBER 166048

Description:	MOUSE IgG1 NEGATIVE CONTROL:Alexa Fluor® 488
Specificity:	MOUSE IgG1 NEGATIVE CONTROL
Format:	ALEXA FLUOR® 488
Product Type:	Negative/Isotype Control
Isotype:	lgG1
Quantity:	100 TESTS/1ml

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 <u>www.bio-</u>						
	rad-anupodies.com/pro	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 p	orocedure	s.			
	*This antibody should	be used at the	e same co	oncentration as th	e test antibody.		
Target Species	Negative Control						
Product Form	Purified IgG conjugated to Alexa Fluor® 488 - liquid						
Max Ex/Em	Fluorophore	Excitation Ma	ıx (nm) l	Emission Max (nm	1)		
	Alexa Fluor®488	495		519			
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 A	Albumin					
Approx. Protein Concentrations	IgG concentration 0.05	i mg/ml					
RRID	AB_324649						

SpecificityMouse 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. 2. 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 3. 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. 4. Dalli, J. et al. (2008) Annexin 1 mediates the rapid anti-inflammatory effects of neutrophil-derived microparticles. Blood. 112 (6): 2512-9. 5. 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. 6. Maślanka, T. et al. (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. Maiolini, A. et al. (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. 8. Kapetanovic, R. et al. (2012) Pig bone marrow-derived macrophages resemble human macrophages in their response to bacterial lipopolysaccharide. J Immunol. 188: 3382-94. 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. 45 (2): 235-43. 10. 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. 11. Brace, P.T. et al. (2017) Mycobacterium tuberculosis subverts negative regulatory pathways in human macrophages to drive immunopathology. PLoS Pathog. 13 (6): e1006367. 12. 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. 45 (11): 2637-46. 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. 14. Taechangam, N. et al. (2021) Feline adipose-derived mesenchymal stem cells induce effector phenotype and enhance cytolytic function of CD8+ T cells. Stem Cell Res Ther.

	 <u>12 (1): 495.</u> 15. do Prado Duzanski, A.<i>et al.</i> (2022) Cell-mediated immunity and expression of MHC class I and class II molecules in dogs naturally infected by canine transmissible venereal tumor: Is there complete spontaneous regression outside the experimental CTVT? <u>Research in Veterinary Science. 145: 193-204.</u> 16. Tolstova, T. <i>et al.</i> (2023) The effect of TLR3 priming conditions on MSC immunosuppressive properties. <u>Stem Cell Res Ther. 14 (1): 344.</u> 17. Geng, Y. <i>et al.</i> (2018) Dietary vitamin D(3) supplementation protects laying hens against lipopolysaccharide-induced immunological stress. <u>Nutr Metab (Lond). 15: 58.</u> 				
Storage	This product is shipped at ambient temperature. It is recommended to aliquot and store at -20°C on receipt. When thawed, aliquot the sample as needed. Keep aliquots at 2-8°C for short term use (up to 4 weeks) and store the remaining aliquots at -20°C. Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended. This product is photosensitive and should be protected from light.				
Guarantee	12 months from date of despatch				
Acknowledgements	This product is provided under an intellectual property licence from Life Technologies Corporation. The transfer of this product is contingent on the buyer using the purchase product solely in research, excluding contract research or any fee for service research, and the buyer must not sell or otherwise transfer this product or its components for (a) diagnostic, therapeutic or prophylactic purposes; (b) testing, analysis or screening services, or information in return for compensation on a per-test basis; (c) manufacturing or quality assurance or quality control, or (d) resale, whether or not resold for use in research. For information on purchasing a license to this product for purposes other than as described above, contact Life Technologies Corporation, 5791 Van Allen Way, Carlsbad CA 92008 USA or outlicensing@thermofisher.com				
Health And Safety Information	Material Safety Datasheet documentation #10041 available at: https://www.bio-rad-antibodies.com/SDS/MCA928A488 10041				
Regulatory	For research purposes only				

Related Products

Recommended Negative Controls

MOUSE IgG1 NEGATIVE CONTROL:Alexa Fluor® 488 (MCA1209A488)

North & South	Tel: +1 800 265 7376 Worldwide	Tel: +44 (0)1865 852 700	Europe	Tel: +49 (0) 89 8090 95 21
America	Fax: +1 919 878 3751	Fax: +44 (0)1865 852 739		Fax: +49 (0) 89 8090 95 50
	Email: antibody_sales_us@bio-rad.com	Email: antibody_sales_uk@bio-ra	ad.com	Email: antibody_sales_de@bio-rad.com

To find a batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets 'M385033:210513'

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