Datasheet: MCA805GA

Description:	MOUSE ANTI RABBIT T CELLS AND NEUTROPHILS
Specificity:	THYMOCYTES/NEUTROPHILS/T CELLS/PLATELETS
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	RPN3/57
Isotype:	IgG1
Quantity:	0.1 mg

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	▪			
Immunohistology - Frozen	▪			
Immunohistology - Paraffin			▪	
ELISA			▪	
Immunoprecipitation		▪		
Western Blotting		▪		
Immunofluorescence	▪			

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	Rabbit
Product Form	Purified IgG - liquid
Preparation	Purified IgG prepared by affinity chromatography on Protein G from tissue culture supernatant
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.09% Sodium Azide (NaN_3)
Carrier Free	Yes

Approx. Protein Concentrations	IgG concentration 1.0mg/ml
Immunogen	Rabbit Peritoneal Neutrophils.
RRID	AB_10959893
Fusion Partners	Spleen cells from innunized Balb/c mice were fuzed with cells of the 653WMB plamacytoma cell line.
Specificity	**Mouse anti Rabbit T Cells and Neutrophils antibody, clone RPN3/57** recognizes a subset of T cells (but not RL-5 cell line) and neutrophils by flow cytometry. Gives good staining of T-dependent areas in lymphoid tissue and also of infiltrating neutrophils by immunohistochemistry.
Flow Cytometry	Use 10ul of the suggested working dilution to label 10^6 cells in 100ul.
References	1. Wilkinson, J.M. *et al.* (1992) Identification and tissue distribution of rabbit leucocyte antigens recognized by monoclonal antibodies. Immunology. 76 (4): 625-30. 2. De Meyer, I. *et al.* (2011) Inhibition of inositol monophosphatase by lithium chloride induces selective macrophage apoptosis in atherosclerotic plaques. Br J Pharmacol. 162: 1410-23. 3. Georgiadis, P. *et al.* (2008) Characterization of acute brain injuries and neurobehavioral profiles in a rabbit model of germinal matrix hemorrhage. Stroke. 39: 3378-88. 4. O'Blenes, S.B. *et al.* (2000) Gene transfer of the serine elastase inhibitor elafin protects against vein graft degeneration. Circulation. 102 (19 Suppl 3): III289-95. 5. Welt, F.G. *et al.* (2000) Neutrophil, not macrophage, infiltration precedes neointimal thickening in balloon-injured arteries. Arterioscler Thromb Vasc Biol. 20: 2553-8. 6. Brickson, S. *et al.* (2003) M1/70 attenuates blood-borne neutrophil oxidants, activation, and myofiber damage following stretch injury. J Appl Physiol. 95: 969-76. 7. Welt, F.G. *et al.* (2003) Leukocyte recruitment and expression of chemokines following different forms of vascular injury. Vasc Med. 8: 1-7. 8. St Pierre Schneider, B. (2002) CD11b+ neutrophils predominate over RAM11+ macrophages in stretch-injured muscle. Muscle Nerve. 25: 837-44. 9. Ma, X. and O'Brien, E.R. (2004) Antagonism of the alpha4 integrin subunit attenuates the acute inflammatory response to stent implantation yet is insufficient to prevent late intimal formation. J Leukoc Biol. 75: 1016-21. 10. Hickling, K.G. *et al.* (1998) Extreme hypoventilation reduces ventilator-induced lung injury during ventilation with low positive end-expiratory pressure in saline-lavaged rabbits. Crit Care Med. 26: 1690-7. 11. Bhardwaj, S. *et al.* (2005) VEGF-A, VEGF-D and VEGF-D(DeltaNDeltaC) induced intimal hyperplasia in carotid arteries. Eur J Clin Invest. 35: 669-76. 12. Herold, J. *et al.* (2004) Transplantation of monocytes: a novel strategy for in vivo augmentation of collateral vessel growth. Hum Gene Ther. 15: 1-12. 13. Li, J.M. *et al.* (2008) Interleukin 18 binding protein (IL18-BP) inhibits neointimal hyperplasia after balloon injury in an atherosclerotic rabbit model. J Vasc Surg. 47: 1048-57. 14. Baetta, R. and Corsini, A. (2010) Role of polymorphonuclear neutrophils in

atherosclerosis: current state and future perspectives. Atherosclerosis. 210: 1-13.
15. Barolet, A.W. *et al.* (2001) Arterial elastase activity after balloon angioplasty and effects of elafin, an elastase inhibitor. Arterioscler Thromb Vasc Biol. 21: 1269-74.
16. Cheema, A.N. *et al.* (2003) Effects of intravascular cryotherapy on vessel wall repair in a balloon-injured rabbit iliac artery model. Cardiovasc Res. 59: 222-33.
17. Li, J.M. *et al.* (2004) Recombinant human thrombomodulin inhibits arterial neointimal hyperplasia after balloon injury. J Vasc Surg. 39: 1074-83.
18. Song, Y. *et al.* (2012) Effects on contralateral muscles after unilateral electrical muscle stimulation and exercise. PLoS One. 7(12):e52230.
19. Song, Y. *et al.* (2013) Bilateral increase in expression and concentration of tachykinin in a unilateral rabbit muscle overuse model that leads to myositis. BMC Musculoskelet Disord. 14: 134.

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.
Guarantee	12 months from date of despatch
Health And Safety Information	Material Safety Datasheet documentation #10040 available at: 10040: https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

Rabbit Anti Mouse IgG (STAR12...) RPE
Rabbit Anti Mouse IgG (STAR13...) HRP
Rabbit Anti Mouse IgG (STAR9...) FITC

Recommended Negative Controls

MOUSE IgG1 NEGATIVE CONTROL (MCA928)

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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
'M382565:210513'

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