

Datasheet: MCA967

Description:	MOUSE ANTI RAT GRANULOCYTES AND ERYTHROID CELLS				
Specificity:	GRANULOCYTES				
Format:	S/N				
Product Type:	Monoclonal Antibody				
Clone:	HIS48				
Isotype:	IgM				
Quantity:	2 ml				

Product Details

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										
		recommer	ndations, please visit <u>w</u>	/ww.bio-							
	Yes	No	Not Determined	Suggested Dilution							
				neat							
Immunohistology - Frozen (1)	•			1/20							
Immunohistology - Paraffin (2)	•										
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. (1) The epitope recognised by this antibody is reported to be sensitive to routine											
						formaldehyde-based fixation and tissue processing. Bio-Rad recommends the use					
						of acetone fixation for frozen sections.					
						(2)The epitope recognised by this antibody is reported to be sensitive to routine					
formaldehyde-based fixation and tissue processing. Bio-Rad recommends PLP											
details.		<u> </u>	<u>ana et a., 1000</u> ana <u>-</u>	ion <u></u>							
Rat											
	derived from testing withi communications from the information. For general p rad-antibodies.com/proto Flow Cytometry Immunohistology - Frozen (1) Immunohistology - Paraffin (2) ELISA Immunoprecipitation Western Blotting Immunofluorescence Where this antibody has necessarily exclude its us a guide only. It is recomm system using appropriate (1)The epitope recogniss formaldehyde-based fix of acetone fixation for f (2)The epitope recogniss formaldehyde-based fix fixation for paraffin sec details.	derived from testing within our lab communications from the originate information. For general protocols rad-antibodies.com/protocols. Flow Cytometry Immunohistology - Frozen (1) Immunohistology - Paraffin (2) ELISA Immunoprecipitation Western Blotting Immunofluorescence Where this antibody has not been necessarily exclude its use in suc a guide only. It is recommended the system using appropriate negative (1)The epitope recognised by the formaldehyde-based fixation are of acetone fixation for frozen set (2)The epitope recognised by the formaldehyde-based fixation are fixation for paraffin sections. Set details.	derived from testing within our laboratories, communications from the originators. Pleas information. For general protocol recomment rad-antibodies.com/protocols. Yes No Flow Cytometry Immunohistology - Frozen (1) Immunohistology - Paraffin (2) Immunohistology - Paraffin (2) ELISA Immunoprecipitation Western Blotting Immunofluorescence Where this antibody has not been tested for necessarily exclude its use in such procedu a guide only. It is recommended that the use system using appropriate negative/positive (1)The epitope recognised by this antibo formaldehyde-based fixation and tissue of acetone fixation for frozen sections. (2)The epitope recognised by this antibo formaldehyde-based fixation and tissue fixation for paraffin sections. See Whitela details.	derived from testing within our laboratories, peer-reviewed publicat communications from the originators. Please refer to references in information. For general protocol recommendations, please visit with rad-antibodies.com/protocols. Yes No Not Determined Flow Cytometry • Immunohistology - Frozen • (1) • Immunohistology - Paraffin • (2) • ELISA • Immunofluorescence • Where this antibody has not been tested for use in a particular technecessarily exclude its use in such procedures. Suggested workir a guide only. It is recommended that the user titrates the antibody system using appropriate negative/positive controls. (1)The epitope recognised by this antibody is reported to be a formaldehyde-based fixation and tissue processing. Bio-Rad of acetone fixation for frozen sections. (2)The epitope recognised by this antibody is reported to be a formaldehyde-based fixation and tissue processing. Bio-Rad fixation for paraffin sections. See Whiteland <i>et al.</i> , 1995 and E formaldehyde-based fixation and tissue processing. Bio-Rad fixation.							

Preparation	Tissue Culture Supernatant containing 0.2M Tris/HCI pH7.4 and 8% foetal calf serum						
Preservative Stabilisers	<0.1% Sodium Azide (NaN ₃)						
Immunogen	PVG rat spleen cell suspension.						
RRID	AB_322077						
Specificity	Mouse anti Rat granulocytes and erythroid cells antibody, clone HIS48 recognizes granulocytes and erythroid cells.						
	Mouse anti Rat granulocytes and erythroid cells antibody, clone HIS48 has frequently been used to stain rat neutrophils in immunohistochemistry (<u>Reckless <i>et al.</i> 2001</u>).						
Flow Cytometry	Use 10ul of the suggested working dilution to stain 10^6 cells in 100ul.						
References	 van Goor, H. <i>et al.</i> (1991) Determinants of focal and segmental glomerulosclerosis in the rat after renal ablation. Evidence for involvement of macrophages and lipids. Lab Invest. 64 (6): 754-65. Foucher, P. <i>et al.</i> (1999) Antimyeloperoxidase-associated Lung Disease An Experimental Model Am J Respir Crit Care Med. 160: 987-94. Ysebaert, D.K. <i>et al.</i> (2000) Identification and kinetics of leukocytes after severe ischaemia/reperfusion renal injury. Nephrol Dial Transplant. 15: 1562-74. Reckless, J. <i>et al.</i> (2001) The pan-chemokine inhibitor NR58-3.14.3 abolishes tumour necrosis factor-alpha accumulation and leucocyte recruitment induced by lipopolysaccharide in vivo. Immunology. 103 (2): 244-54. Panichi, V. <i>et al.</i> (2001) Effects of 1,25(OH)2D3 in experimental mesangial proliferative nephritis in rats. Kidney Int. 60: 87-95. Nakagawa, K. <i>et al.</i> (2002) Lecithinized superoxide dismutase reduces cold ischemia- induced chronic allograft dysfunction. Kidney Int. 61: 1160-9. Szczesny, G. <i>et al.</i> (2004) Limb lymph node response to bone fracture. Lymphat Res Biol. 2: 155-64. van der Kaaij, N.P. <i>et al.</i> (2005) Surfactant pretreatment ameliorates ischemia- reperfusion injury of the lung. Eur J Cardiothorac Surg. 27: 774-82. Homo-Delarche, F. <i>et al.</i> (2006) Islet inflammation and fibrosis in a spontaneous model of type 2 diabetes, the GK rat. Diabetes. 55: 1625-33. Gering, K.M. <i>et al.</i> (2007) New tools for the evaluation of toxic ocular surface changes in the rat. Invest Ophthalmol Vis Sci. 48: 5473-83. Trinh, L. <i>et al.</i> (2008) The corneal endothelium in an endotoxin-induced uveitis model: correlation between in vivo confocal microscopy and immunohistochemistry. Mol Vis. 14: 1149-56. Dugast, A.S. <i>et al.</i> (2008) Myeloid-derived suppressor cells accumulate in kidney allograft tolerance and specifically suppress effector T cell expansion. J Immunol. 180: 7898-90						

	 14. Howard, K.M. <i>et al.</i> (2009) Differential expression of plately acetylhydrolase in lung macrophages. <u>Am J Physiol Lung Cell</u> 15. Dimitrijević, M. <i>et al.</i> (2010) Modulation of granulocyte function: acetvity. <u>Regul Pept. 159: 100-9</u>. 16. Steen, P.W. <i>et al.</i> (2010) Neutrophil responses to injury or peripheral gustatory function. <u>Neuroscience. 167: 894-908</u>. 17. Della Coletta Francescato, H. <i>et al.</i> (2011) Inhibition of hydreduces cisplatin-induced renal damage. <u>Nephrol Dial Transplate</u> 18. Narita, T. <i>et al.</i> (2012) The use of cell-sheet technique elimeskeletal myoblast-based therapy to the heart with enhanced the <u>Cardiol. pii: S0167-5273(12)01187-4</u>. 19. Cantaluppi V <i>et al.</i> (2015) Endothelial progenitor cell-deriver protect from complement-mediated mesangial injury in expering glomerulonephritis. <u>Nephrol Dial Transplant. 30 (3): 410-22</u>. 20. Cąkała-Jakimowicz, M. & Puzianowska-Kuznicka, M. (2020) the Lymph Node Response to Skin Infection with Saprophytic <i>epidermidis.</i>. <u>Biomedicines. 10 (5): 1021.</u> 21. Zhou, X. <i>et al.</i> (2022) Dusp6 deficiency attenuates neutrop damage in the acute inflammatory phase of myocardial infarction <u>6672.</u> 	Mol Physiol. 297: L1141-50. ctions by peptide YY in the sma dipeptidyl peptidase 4 inflammation impair lrogen sulphide formation ant. 26: 479-88. inates arrhythmogenicity of erapeutic effects. Int J ed extracellular vesicles nental anti-Thy1.1 2) Towards Understanding <i>Staphylococcus</i> shil-mediated cardiac
Further Reading	1. Kampinga, J. <i>et al.</i> (1990) Thymocyte differentiation and thy development in the foetal rat thymus: an immunohistological a tolerance induction. In: The role of the Thymus Update 3. Eds. Ritter. Harwood Academic Publishers GmbH, Switzerland.	pproach. thymus in
Storage	This product is shipped at ambient temperature. It is recomme -20°C on receipt. When thawed, aliquot the sample as needed short term use (up to 4 weeks) and store the remaining aliquot Avoid repeated freezing and thawing as this may denature the frost-free freezers is not recommended.	l. Keep aliquots at 2-8°C for ts at -20°C.
Guarantee	12 months from date of despatch	
Health And Safety Information	Material Safety Datasheet documentation #10055 available at: https://www.bio-rad-antibodies.com/SDS/MCA967 10055	
Regulatory	For research purposes only	

Related Products

Recommended Secondary Antibodies

Goat Anti Mouse IgM (STAR138...)Alk. Phos.Goat Anti Mouse IgG IgA IgM (STAR87...)Alk. Phos., HRP

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	То
	Email: antibody_sales_us@bio-r	ad.com	Email: antibody_sales_uk@bio-	rad.com	Email: antibody_sales_de@bio-ra	d.comd a
batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets 'M418644:230427'						

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