

Datasheet: MCA967 BATCH NUMBER 165326

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

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				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 fixation for paraffin sections. See <u>Whiteland et al., 1995</u> and <u>Banerjee et al., 2003</u> for details.

Target Species	Rat
Product Form	Tissue Culture Supernatant - liquid

Preparation	Tissue Culture Supernatant containing 0.2M Tris/HCl 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 (Reckless et al. 2001).
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. <u>Lab Invest. 64 (6): 754-65.</u> 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. <u>Immunology. 103 (2): 244-54.</u> Dimitrijević, M. <i>et al.</i> (2010) Modulation of granulocyte functions by peptide YY in the rat: age-related differences in Y receptors expression and plasma dipeptidyl peptidase 4 activity. <u>Regul Pept. 159: 100-9.</u> Howard, K.M. <i>et al.</i> (2009) Differential expression of platelet-activating factor acetylhydrolase in lung macrophages. <u>Am J Physiol Lung Cell Mol Physiol. 297: L1141-50.</u> Trinh, L. <i>et al.</i> (2008) The corneal endothelium in an endotoxin-induced uveitis model: correlation between in vivo confocal microscopy and immunohistochemistry. <u>Mol Vis. 14: 1149-56.</u>

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- 7. Foucher, P. *et al.* (1999) Antimyeloperoxidase-associated Lung Disease An Experimental Model <u>Am J Respir Crit Care Med. 160: 987-94.</u>
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the rat. Invest Ophthalmol Vis Sci. 48: 5473-83.

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- 17. Szczesny, G. *et al.* (2004) Limb lymph node response to bone fracture. <u>Lymphat Res</u> Biol. 2: 155-64.
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- 19. Cantaluppi V *et al.* (2015) Endothelial progenitor cell-derived extracellular vesicles protect from complement-mediated mesangial injury in experimental anti-Thy1.1 glomerulonephritis. Nephrol Dial Transplant. 30 (3): 410-22.
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Further Reading

1. Kampinga, J. *et al.* (1990) Thymocyte differentiation and thymic micro-environment development in the foetal rat thymus: an immunohistological approach. thymus in tolerance induction. In: The role of the Thymus Update 3. Eds. M.D. Kendall and M.A. Ritter. Harwood Academic Publishers GmbH, Switzerland.

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 #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...) HRP

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То

batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets 'M389746:210806'

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