

Datasheet: MCA518S

Description:	MOUSE ANTI GUINEA PIG MACROPHAGES
Specificity:	MACROPHAGES/MONOCYTES
Format:	S/N
Product Type:	Monoclonal Antibody
Clone:	MR-1
Isotype:	IgG1
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 (1)	▪			Neat - 1/10
Immunohistology - Frozen	▪			1/10
Immunohistology - Paraffin			▪	
ELISA			▪	
Immunoprecipitation			▪	
Western Blotting			▪	

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) Membrane permeabilization is required for this application. The use of Leucoperm (Product Code [BUF09](#)) is recommended for this purpose.

Target Species	Guinea Pig
Product Form	Tissue Culture Supernatant - liquid
Preparation	Tissue Culture Supernatant containing 2% foetal bovine serum.
Preservative Stabilisers	<0.1% Sodium Azide (NaN ₃).
Immunogen	Guinea Pig lymph node stroma.
RRID	AB_322840

Fusion Partners	Spleen cells from immunised mice were fused with cells of the mouse Sp2/0 myeloma cell line.
Specificity	Mouse anti Guinea Pig macrophages / monocytes antibody, clone MR-1 recognizes a cytoplasmic component of guinea pig monocytes and most tissue macrophages. Mouse anti Guinea Pig macrophages / monocytes antibody, clone MR-1 does not recognise cortical macrophages of the thymus or microglial cells of the brain.
Flow Cytometry	Use 10ul of the suggested working dilution to label 1×10^6 cells in 100ul.
References	<ol style="list-style-type: none"> 1. Kraal, G. <i>et al.</i> (1988) Histochemical identification of guinea-pig macrophages by monoclonal antibody MR-1. Immunology. 65 (4): 523-8. 2. Shang, S. <i>et al.</i> (2011) Activities of TMC207, rifampin, and pyrazinamide against Mycobacterium tuberculosis infection in guinea pigs. Antimicrob Agents Chemother. 55 (1): 124-31. 3. Mateo, M. <i>et al.</i> (2011) VP24 is a molecular determinant of Ebola virus virulence in guinea pigs. J Infect Dis. 204 Suppl 3: S1011-20. 4. Bendig, M.M. <i>et al.</i> (2007) Humanized antibodies against leukocyte adhesion molecule VLA-4 Patent Appl WO 1995019790 A1
Storage	<p>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.</p> <p>Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.</p>
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/MCA518S 10055
Regulatory	For research purposes only.

Related Products

Recommended Secondary Antibodies

Rabbit Anti Mouse IgG (STAR12...) [RPE](#)

Goat Anti Mouse IgG (H/L) (STAR117...) [FITC](#)

Rabbit Anti Mouse IgG (STAR13...) [HRP](#)

Rabbit Anti Mouse IgG (STAR9...) [FITC](#)

Recommended Negative Controls

[MOUSE IgG1 NEGATIVE CONTROL \(MCA928\)](#)

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Fax: +1 919 878 3751

Worldwide Tel: +44 (0)1865 852 700
Fax: +44 (0)1865 852 739

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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

'M418625:230427'

Printed on 27 Apr 2023
