

Datasheet: MCA567

BATCH NUMBER 171618

Description:	MOUSE ANTI GUINEA PIG B CELL SUBSET
Specificity:	B CELL SUBSET
Format:	S/N
Product Type:	Monoclonal Antibody
Clone:	MsGp10
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	▪			
Immunohistology - Frozen	▪			
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. It is recommended that the user titrates the antibody for use in their own system using appropriate negative/positive controls.

Target Species	Guinea Pig
Product Form	Tissue Culture Supernatant - liquid
Preparation	Tissue Culture Supernatant containing 5-10% foetal calf serum
Preservative Stabilisers	0.09% Sodium Azide
Immunogen	Guinea pig splenic dendritic cells.
RRID	AB_321191
Fusion Partners	Spleen cells from an immunized BALB/c mice were fused with cells of the mouse NS1

myeloma cell line.

Specificity	Mouse anti Guinea pig B cell subset antibody, clone MsGp10 recognizes a target expressed on the surface of mantle zone B cells in the lymph node and on follicular dendritic cells. It detects approximately 30% of lymph node lymphocytes and 50% of Ig positive cells although it does not recognise immunoglobulin. It does not recognise T cells or thymocytes but is expressed on kidney epithelia cells and some macrophages.
Flow Cytometry	Use 10ul of the suggested working dilution to label 10 ⁶ cells in 100ul.
References	<ol style="list-style-type: none">1. Wang, Y. <i>et al.</i> (2010) Local host response to chlamydial urethral infection in male guinea pigs. Infect Immun. 78: 1670-81.2. Lacy, H.M. <i>et al.</i> (2011) Essential role for neutrophils in pathogenesis and adaptive immunity in <i>Chlamydia caviae</i> ocular infections. Infect Immun. 79 (5): 1889-97.3. Miszczyk E <i>et al.</i> (2014) Antigen-specific lymphocyte proliferation as a marker of immune response in guinea pigs with sustained <i>Helicobacter pylori</i> infection. Acta Biochim Pol. 61 (2): 295-303.4. Harris, M.C. <i>et al.</i> (2024) Establishment of CD1b-restricted immunity to lipid antigens in the pulmonary response to <i>Mycobacterium tuberculosis</i> infection. Infect Immun. 92 (12): e0038024.
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 #10053 available at: https://www.bio-rad-antibodies.com/SDS/MCA567
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](#)
- Goat Anti Mouse IgG (H/L) (STAR117...) [FITC](#)

Recommended Negative Controls

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

Product inquiries: www.bio-rad-antibodies.com/technical-support

To find a batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets
'M445618:250910'

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