

Datasheet: MCA567

**BATCH NUMBER 154567**

<b>Description:</b>	MOUSE ANTI GUINEA PIG B CELL SUBSET
<b>Specificity:</b>	B CELL SUBSET
<b>Format:</b>	S/N
<b>Product Type:</b>	Monoclonal Antibody
<b>Clone:</b>	MsGp10
<b>Isotype:</b>	IgG1
<b>Quantity:</b>	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](http://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.

<b>Target Species</b>	Guinea Pig
<b>Product Form</b>	Tissue Culture Supernatant - liquid
<b>Preparation</b>	Tissue Culture Supernatant containing 0.2M Tris/HCl pH7.2
<b>Preservative Stabilisers</b>	0.09% Sodium Azide
<b>Immunogen</b>	Guinea pig splenic dendritic cells.
<b>RRID</b>	AB_321191
<b>Fusion Partners</b>	Spleen cells from an immunised BALB/c mice were fused with cells of the mouse NS1

myeloma cell line.

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<b>Specificity</b>	<b>Mouse anti Guinea pig B cell subset antibody, clone MsGp10</b> 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.
<b>Flow Cytometry</b>	Use 10ul of the suggested working dilution to label 10 <sup>6</sup> cells in 100ul.
<b>References</b>	<ol style="list-style-type: none"><li>1. Wang, Y. <i>et al.</i> (2010) Local host response to chlamydial urethral infection in male guinea pigs. <a href="#">Infect Immun. 78: 1670-81.</a></li><li>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. <a href="#">Infect Immun. 79 (5): 1889-97.</a></li><li>3. Miszczyk E <i>et al.</i> (2014) Antigen-specific lymphocyte proliferation as a marker of immune response in guinea pigs with sustained Helicobacter pylori infection. <a href="#">Acta Biochim Pol. 61 (2): 295-303.</a></li></ol>
<b>Storage</b>	Store at +4°C for one month or at -20°C for longer.  This product should be stored undiluted.  Storage in frost-free freezers is not recommended. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.
<b>Guarantee</b>	12 months from date of despatch
<b>Health And Safety Information</b>	Material Safety Datasheet documentation #10053 available at: <a href="https://www.bio-rad-antibodies.com/SDS/MCA567">https://www.bio-rad-antibodies.com/SDS/MCA567</a> 10053
<b>Regulatory</b>	For research purposes only

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## Related Products

### Recommended Secondary Antibodies

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

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

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

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

### Recommended Negative Controls

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

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