

Datasheet: MCA567

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 0.2M Tris/HCl pH7.2
Preservative Stabilisers	0.09% Sodium Azide
Immunogen	Guinea pig splenic dendritic cells.
Fusion Partners	Spleen cells from an immunised 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 10⁶ cells in 100ul.

References

1. Wang, Y. *et al.* (2010) Local host response to chlamydial urethral infection in male guinea pigs. [Infect Immun. 78: 1670-81.](#)
2. Lacy, H.M. *et al.* (2011) Essential role for neutrophils in pathogenesis and adaptive immunity in *Chlamydia caviae* ocular infections. [Infect Immun. 79 \(5\): 1889-97.](#)
3. Miszczyk E *et al.* (2014) Antigen-specific lymphocyte proliferation as a marker of immune response in guinea pigs with sustained *Helicobacter pylori* infection. [Acta Biochim Pol. 61 \(2\): 295-303.](#)

Storage 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.

Shelf Life 18 months from date of despatch.

Health And Safety Information Material Safety Datasheet documentation #10053 available at: 10053: <https://www.bio-rad-antibodies.com/uploads/MSDS/10053.pdf>

Regulatory For research purposes only

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 \(MCA928\)](#)

North & South Tel: +1 800 265 7376

America Fax: +1 919 878 3751

Email: antibody_sales_us@bio-rad.com

Worldwide

Tel: +44 (0)1865 852 700

Fax: +44 (0)1865 852 739

Email: antibody_sales_uk@bio-rad.com

Europe

Tel: +49 (0) 89 8090 95 21

Fax: +49 (0) 89 8090 95 50

Email: antibody_sales_de@bio-rad.com

'M324702:180727'

Printed on 23 Oct 2018

© 2018 Bio-Rad Laboratories Inc | [Legal](#) | [Imprint](#)