

Datasheet: MCA1366PE

Description:	HAMSTER ANTI MOUSE TCR GAMMA/DELTA:RPE
Specificity:	TCR GAMMA/DELTA
Format:	RPE
Product Type:	Monoclonal Antibody
Clone:	GL3
Isotype:	IgG
Quantity:	0.5 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

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.

Target Species	Mouse						
Product Form	Purified IgG conjugated to R. Phycoerythrin (RPE) - liquid						
Max Ex/Em	<table border="1"> <thead> <tr> <th>Fluorophore</th> <th>Excitation Max (nm)</th> <th>Emission Max (nm)</th> </tr> </thead> <tbody> <tr> <td>RPE 488nm laser</td> <td>496</td> <td>578</td> </tr> </tbody> </table>	Fluorophore	Excitation Max (nm)	Emission Max (nm)	RPE 488nm laser	496	578
Fluorophore	Excitation Max (nm)	Emission Max (nm)					
RPE 488nm laser	496	578					
Preparation	Purified IgG prepared by affinity chromatography on Protein A						
Buffer Solution	Phosphate buffered saline						
Preservative	0.09% Sodium Azide						
Stabilisers	0.5% Bovine Serum Albumin						
Approx. Protein Concentrations	IgG concentration 0.1 mg/ml						
Immunogen	C57BL/6J intra epithelial lymphocytes.						
Fusion Partners	Spleen cells from immunized Armenian hamster were fused with cells of the murine myeloma SP2/0 myeloma cell line.						
Specificity	Hamster anti Mouse TCR Gamma/Delta antibody, clone GL3 reacts with mouse TCR gamma/delta expressing lymphocytes.						

Hamster anti Mouse TCR Gamma/Delta antibody, clone GL3 has been shown to have depleting activity *in vivo* ([Van der Heyde et al. 1995](#) and [Skeen et al. 1993](#)).

Flow Cytometry Use 10ul of the suggested working dilution to label 1×10^6 cells in 100ul.

The Fc region of monoclonal antibodies may bind non-specifically to cells expressing low affinity fc receptors. This may be reduced by using SeroBlock FcR ([BUF041A/B](#)).

References

1. Skarstein, K. *et al.* (1994) Oligoclonality of T cells in salivary glands of autoimmune MRL/lpr mice. [Immunology. 81 \(4\): 497-501.](#)
2. van der Heyde, H.C. *et al.* (1995) Gamma delta T cells function in cell-mediated immunity to acute blood-stage Plasmodium chabaudi adami malaria. [J Immunol. 154 \(8\): 3985-90.](#)
3. Skeen, M.J. & Ziegler, H.K. (1993) Induction of murine peritoneal gamma/delta T cells and their role in resistance to bacterial infection. [J Exp Med. 178 \(3\): 971-84.](#)
4. Karasova, D. *et al.* (2010) Influence of 5 major Salmonella pathogenicity islands on NK cell depletion in mice infected with *Salmonella enterica* serovar Enteritidis. [BMC Microbiol. 10: 75.](#)
5. Kinoshita, N. *et al.* (2002) Autocrine IL-15 mediates intestinal epithelial cell death via the activation of neighboring intraepithelial NK cells. [J Immunol. 169: 6187-92.](#)
6. Laky, K. *et al.* (2000) Enterocyte expression of interleukin 7 induces development of gammadelta T cells and Peyer's patches. [J Exp Med. 191: 1569-80.](#)
7. Skelsey, M.E. *et al.* (2001) Gamma delta T cells are needed for ocular immune privilege and corneal graft survival. [J Immunol. 166: 4327-33.](#)

Storage Store at +4°C.

DO NOT FREEZE

This product should be stored undiluted. This product is photosensitive and should be protected from light. Should this product contain a precipitate we recommend microcentrifugation before use.

Shelf Life 6 months from date of despatch.

Health And Safety Information Material Safety Datasheet documentation #10041 available at: 10041: <https://www.bio-rad-antibodies.com/uploads/MSDS/10041.pdf>

Regulatory For research purposes only

Related Products

Recommended Negative Controls

[HAMSTER \(ARMENIAN\) IgG NEGATIVE CONTROL:RPE \(MCA2356PE\)](#)

Recommended Useful Reagents

[MOUSE SEROBLOCK FcR \(BUF041A\)](#)

[MOUSE SEROBLOCK FcR \(BUF041B\)](#)

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

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