

## Datasheet: MCA1366PE

<b>Description:</b>	HAMSTER ANTI MOUSE TCR GAMMA/DELTA:RPE
<b>Specificity:</b>	TCR GAMMA/DELTA
<b>Format:</b>	RPE
<b>Product Type:</b>	Monoclonal Antibody
<b>Clone:</b>	GL3
<b>Isotype:</b>	IgG
<b>Quantity:</b>	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](http://www.bio-rad-antibodies.com/protocols).

	Yes	No	Not Determined	Suggested Dilution
Flow Cytometry	▪			Neat

Where this product 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 product for use in their own system using appropriate negative/positive controls.

<b>Target Species</b>	Mouse						
<b>Product Form</b>	Purified IgG conjugated to R. Phycoerythrin (RPE) - liquid						
<b>Max Ex/Em</b>	<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					
<b>Preparation</b>	Purified IgG prepared by affinity chromatography on Protein A						
<b>Buffer Solution</b>	Phosphate buffered saline						
<b>Preservative</b>	0.09% sodium azide (NaN <sub>3</sub> )						
<b>Stabilisers</b>	1% bovine serum albumin						
<b>Approx. Protein Concentrations</b>	IgG concentration 0.1 mg/ml						
<b>Immunogen</b>	C57BL/6J intra epithelial lymphocytes.						

RRID AB\_322443

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**Fusion Partners** Spleen cells from immunized Armenian hamster were fused with cells of the murine myeloma SP2/0 myeloma cell line.

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**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](#)).

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**Flow Cytometry** Use 10µl of the suggested working dilution to label 1 x 10<sup>6</sup> cells in 100µl. The Fc region of monoclonal antibodies may bind to cells expressing low affinity Fc receptors. This may be reduced by using SeroBlock FcR ([BUF041A/BUF041B](#)).

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- References**
1. 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.](#)
  2. Skarstein, K. et al. (1994) Oligoclonality of T cells in salivary glands of autoimmune MRL/lpr mice. [Immunology. 81 \(4\): 497-501.](#)
  3. 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.](#)
  4. 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.](#)
  5. 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.](#)
  6. 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.](#)
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**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.

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**Guarantee** 6 months from date of despatch

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**Health And Safety Information** Material Safety Datasheet documentation #10041 available at: <https://www.bio-rad-antibodies.com/SDS/MCA1366PE>  
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**Regulatory** For research purposes only

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## Related Products

### Recommended Negative Controls

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

## Recommended Useful Reagents

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

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

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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](https://bio-rad-antibodies.com/datasheets)

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