

Datasheet: MCA1366GA

Description:	HAMSTER ANTI MOUSE TCR GAMMA/DELTA
Specificity:	TCR GAMMA/DELTA
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	GL3
Isotype:	IgG
Quantity:	0.1 mg

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	■			1/5 - 1/50
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. 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 - liquid
Preparation	Purified IgG prepared by affinity chromatography
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.09% Sodium Azide
Approx. Protein Concentrations	IgG concentration 0.5mg/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 <i>in vivo</i> (Van der Heyde <i>et al.</i> 1995 and Skeen <i>et al.</i> 1993).
Flow Cytometry	Use 10ul of the suggested working dilution to label 10 ⁶ cells in 100ul.
References	1. Skarstein, K. <i>et al.</i> (1994) Oligoclonality of T cells in salivary glands of autoimmune MRL/lpr mice. Immunology. 81 (4): 497-501. 2. van der Heyde, H.C. <i>et al.</i> (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. <i>et al.</i> (2010) Influence of 5 major Salmonella pathogenicity islands on NK cell depletion in mice infected with <i>Salmonella enterica</i> serovar Enteritidis. BMC Microbiol. 10: 75. 5. Kinoshita, N. <i>et al.</i> (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. <i>et al.</i> (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. <i>et al.</i> (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 or at -20°C if preferred. 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	Please see label for expiry date.
Health And Safety Information	Material Safety Datasheet documentation #10040 available at: 10040: https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

Goat Anti Hamster IgG (STAR104...) [DyLight®549](#), [DyLight®649](#), [DyLight®800](#), [FITC](#)

Goat Anti Hamster IgG (STAR79...) [Biotin](#), [FITC](#), [HRP](#)

Recommended Negative Controls

[HAMSTER \(ARMENIAN\) IgG NEGATIVE CONTROL \(MCA2356\)](#)

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