

Datasheet: MCA1366F

Description:	HAMSTER ANTI MOUSE TCR GAMMA/DELTA:FITC
Specificity:	TCR GAMMA/DELTA
Format:	FITC
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	■			Neat
Immunohistology - Frozen			■	
Immunohistology - Paraffin			■	

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 Fluorescein Isothiocyanate Isomer 1 (FITC) - liquid		
Max Ex/Em	Fluorophore	Excitation Max (nm)	Emission Max (nm)
	FITC	490	525
Preparation	Purified IgG prepared by affinity chromatography on Protein A		
Buffer Solution	Phosphate buffered saline		
Preservative Stabilisers	0.09% Sodium Azide		
	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 <i>in vivo</i> (Van der Heyde et al. 1995 and Skeen et al. 1993).
Flow Cytometry	Use 10ul of the suggested working dilution to label 1 x10⁶ 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. <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. This product is photosensitive and should be protected from light. 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 #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:FITC \(MCA2356F\)](#)

Recommended Useful Reagents

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

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

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