

Datasheet: MCA1366F

BATCH NUMBER 149770

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	<table border="1"> <thead> <tr> <th>Fluorophore</th> <th>Excitation Max (nm)</th> <th>Emission Max (nm)</th> </tr> </thead> <tbody> <tr> <td>FITC</td> <td>490</td> <td>525</td> </tr> </tbody> </table>	Fluorophore	Excitation Max (nm)	Emission Max (nm)	FITC	490	525
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	0.09% Sodium Azide						
Stabilisers	0.5% Bovine Serum Albumin						
Approx. Protein	IgG concentration 0.1 mg/ml						

Concentrations

Immunogen C57BL/6J intra epithelial lymphocytes.

RRID AB_322442

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 [Skeenet 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. *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. 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.](#)

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.

Guarantee 12 months from date of despatch

Health And Safety Information Material Safety Datasheet documentation #10041 available at: <https://www.bio-rad-antibodies.com/SDS/MCA1366F>
10041

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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