

## Datasheet: MCA1366F

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

	Yes	No	Not Determined	Suggested Dilution
Flow Cytometry	▪			Neat
Immunohistology - Frozen			▪	
Immunohistology - Paraffin			▪	

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 Fluorescein Isothiocyanate Isomer 1 (FITC) - 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>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					
<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.
<b>RRID</b>	AB_322442
<b>Fusion Partners</b>	Spleen cells from immunized Armenian hamster were fused with cells of the murine myeloma SP2/0 myeloma cell line.
<b>Specificity</b>	<p><b>Hamster anti Mouse TCR Gamma/Delta antibody, clone GL3</b> reacts with mouse TCR gamma/delta expressing lymphocytes.</p> <p>Hamster anti Mouse TCR Gamma/Delta antibody, clone GL3 has been shown to have depleting activity <i>in vivo</i> (<a href="#">Van der Heyde et al. 1995</a> and <a href="#">Skeen et al. 1993</a>).</p>
<b>Flow Cytometry</b>	<p>Use 10µl of the suggested working dilution to label 1 x10<sup>6</sup> cells in 100µl.</p> <p>The Fc region of monoclonal antibodies may bind to cells expressing low affinity Fc receptors. This may be reduced by using SeroBlock FcR (<a href="#">BUF041A/BUF041B</a>).</p>
<b>References</b>	<ol style="list-style-type: none"> <li>1. Skeen, M.J. &amp; Ziegler, H.K. (1993) Induction of murine peritoneal gamma/delta T cells and their role in resistance to bacterial infection. <a href="#">J Exp Med. 178 (3): 971-84.</a></li> <li>2. Skarstein, K. et al. (1994) Oligoclonality of T cells in salivary glands of autoimmune MRL/lpr mice. <a href="#">Immunology. 81 (4): 497-501.</a></li> <li>3. van der Heyde, H.C. et al. (1995) Gamma delta T cells function in cell-mediated immunity to acute blood-stage <i>Plasmodium chabaudi adami</i> malaria. <a href="#">J Immunol. 154 (8): 3985-90.</a></li> <li>4. Laky, K. et al. (2000) Enterocyte expression of interleukin 7 induces development of gammadelta T cells and Peyer's patches. <a href="#">J Exp Med. 191: 1569-80.</a></li> <li>5. Skelsey, M.E. et al. (2001) Gamma delta T cells are needed for ocular immune privilege and corneal graft survival. <a href="#">J Immunol. 166: 4327-33.</a></li> <li>6. Karasova, D. et al. (2010) Influence of 5 major Salmonella pathogenicity islands on NK cell depletion in mice infected with <i>Salmonella enterica</i> serovar Enteritidis. <a href="#">BMC Microbiol. 10: 75.</a></li> </ol>
<b>Storage</b>	<p>This product is shipped at ambient temperature. It is recommended to aliquot and store at -20°C on receipt. When thawed, aliquot the sample as needed. Keep aliquots at 2-8°C for short term use (up to 4 weeks) and store the remaining aliquots at -20°C.</p> <p>Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended. This product is photosensitive and should be protected from light.</p>
<b>Guarantee</b>	12 months from date of despatch
<b>Health And Safety Information</b>	<p>Material Safety Datasheet documentation #10041 available at: <a href="https://www.bio-rad-antibodies.com/SDS/MCA1366F">https://www.bio-rad-antibodies.com/SDS/MCA1366F</a></p> <p>10041</p>
<b>Regulatory</b>	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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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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