

Datasheet: MCA1395F

Description:	MOUSE ANTI HUMAN TNF ALPHA:FITC
Specificity:	TNF ALPHA
Format:	FITC
Product Type:	Monoclonal Antibody
Clone:	B-D9
Isotype:	IgG1
Quantity:	100 TESTS/1ml

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)	▪			Neat - 1/10
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.

(1) Membrane permeabilisation is required for this application. Bio-Rad recommends the use of Leucoperm™ (BUF09A) for this purpose.

Target Species	Human		
Product Form	Purified IgG conjugated to Fluorescein Isothiocyanate Isomer 1 (FITC)		
Max Ex/Em	Fluorophore	Excitation Max (nm)	Emission Max (nm)
	FITC	490	525
Preparation	Purified IgG prepared by ion exchange chromatography		
Buffer Solution	Phosphate buffered saline.		
Preservative Stabilisers	0.1% Sodium Azide, 5% Bovine Serum Albumin.		
Immunogen	Recombinant human TNF-alpha.		

External Database Links	<p>UniProt: P01375 Related reagents</p> <p>Entrez Gene: 7124 TNF Related reagents</p>
Synonyms	TNFA, TNFSF2
RRID	AB_322496
Fusion Partners	Spleen cells from immunised BALB/c mice were fused with cells of the mouse X63 Ag8.653 myeloma cell line.
Specificity	Mouse anti Human TNF alpha antibody, clone B-D9 recognizes human TNF-alpha, both natural and recombinant forms. The FITC conjugated reagent is designed for the detection and enumeration of TNF-alpha expressing cells in flow cytometric assays following cell membrane permeabilisation.
Flow Cytometry	Use 10ul of the suggested working dilution to label 5 x 10 ⁵ cells in 50µl
References	<ol style="list-style-type: none"> 1. North, M.E. <i>et al.</i> (1998) Primary defect in CD8+ lymphocytes in the antibody deficiency disease (common variable immunodeficiency): abnormalities in intracellular production of interferon-gamma (IFN-gamma) in CD28+ ('cytotoxic') and CD28- ('suppressor') CD8+ subsets. Clin Exp Immunol. 111 (1): 70-5. 2. North, M.E. <i>et al.</i> (1996) Intracellular cytokine production by human CD4+ and CD8+ T cells from normal and immunodeficient donors using directly conjugated anti-cytokine antibodies and three-colour flow cytometry. Clin Exp Immunol. 105: 517-22. 3. Sewell, W.A. <i>et al.</i> (1997) Determination of intracellular cytokines by flow-cytometry following whole-blood culture. J Immunol Methods. 209: 67-74. 4. Sewell, W.A. <i>et al.</i> (1999) <i>In vivo</i> modulation of cytokine synthesis by intravenous immunoglobulin. Clin Exp Immunol. 116: 509-15. 5. Hart, A.L. <i>et al.</i> (2004) Prospective evaluation of intestinal homing memory T cells in ulcerative colitis Inflamm Bowel Dis. 10: 496-503.
Storage	<p>Store at +4°C or at -20°C if preferred.</p> <p>This product should be stored undiluted.</p> <p>Storage in frost-free freezers is not recommended. This product is photosensitive and should be protected from light.</p> <p>Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.</p>
Guarantee	12 months from date of despatch
Health And Safety	Material Safety Datasheet documentation #10041 available at:

Information 10041: <https://www.bio-rad-antibodies.com/uploads/MSDS/10041.pdf>

Regulatory For research purposes only

Related Products

Recommended Negative Controls

[MOUSE IgG1 NEGATIVE CONTROL:FITC \(MCA928F\)](#)

Recommended Useful Reagents

[HUMAN SEROBLOCK \(BUF070A\)](#)

[HUMAN SEROBLOCK \(BUF070B\)](#)

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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://www.bio-rad-antibodies.com/datasheets)

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