

Datasheet: MCA1590F BATCH NUMBER 166933

Description:	MOUSE ANTI HUMAN CD40:FITC
Specificity:	CD40
Format:	FITC
Product Type:	Monoclonal Antibody
Clone:	LOB7/6
Isotype:	lgG2a
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

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.

Target Species	Human			
Species Cross	Reacts with: Dog			
Reactivity	reactivity is derived	ctivity and working condit d from testing within our l cations from the originato	aboratories, peer-re	eviewed publications or
Product Form	Purified IgG conjug	gated to Fluorescein Isotl	niocyanate Isomer	1 (FITC) - liquid
Max Ex/Em	Fluorophore	Excitation Max (nm)	Emission Max (nn	1)
	FITC	490	525	
Preparation	Purified IgG prepa supernatant	red by affinity chromatog	raphy on Protein A	from tissue culture
Buffer Solution	Phosphate buffere	d saline		

Preservative Stabilisers	0.09% sodium azide (NaN ₃) 1% bovine serum albumin	
Approx. Protein Concentrations	IgG concentration 0.1 mg/ml	
Immunogen	CD40 Ig(Fc) fusion protein containing the EC region of human human IgG.	CD40 and Fc region of
External Database Links	UniProt: P25942 Related reagents Entrez Gene:	
Synonyms	958 CD40 Related reagents TNFRSF5	
RRID	AB_321687	
Fusion Partners	Spleen cells from immunised BALB/c mice were fused with ce myeloma cell line.	lls of the mouse NS1
Specificity	Mouse anti Human CD40 antibody, clone LOB7/6 recognize surface antigen, a 48kDa glycoprotein expressed by B lympho monocytes.	
	CD40 is involved in the process of B cell selection in germinal cell-B cell interactions.	centres and is vital in T
Flow Cytometry	Use 10µl of the suggested working dilution to label 10 ⁶ cells in	ո 100µl
References	 Quadbeck, B. et al. (2002) Maturation of thyroidal dendritic cells in Graves' disease. Scand J Immunol. 55 (6): 612-20. Kirsch, B. M. et al. (2005) The active metabolite of leflunomide, A77 1726, interferes with dendritic cell function. Arthritis Res. Ther. 7: R694-R703. Cheadle, E. et al. (2003) Mycobacterium bovis bacillus Calmette-Guerin-infected dendritic cells potently activate autologous T cells via a B7 and interleukin-12-dependent mechanism. Immunology.108: 79-88. Carpenter, E.L. et al. (2009) Activation of human B cells by the agonist CD40 antibody CP-870,893 and augmentation with simultaneous toll-like receptor 9 stimulation. J Transl Med. 7: 93. Garcia-Nieto, S. et al. (2010) Laminin and Fibronectin Treatment Leads to Generation of Dendritic Cells with Superior Endocytic Capacity. PLoS ONE. 5: 1-10. Wang, Y.S. et al. (2007) Characterization of canine monocyte-derived dendritic cells with phenotypic and functional differentiation. Can J Vet Res. 71: 165-74. Vlachoyiannopoulos, P.G. et al. (2004) Anti-CD40 antibodies in antiphospholipid syndrome and systemic lupus erythematosus. Thromb Haemost. 92: 1303-11. 	

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Storage

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.

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.

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/MCA1590F 10041
Regulatory	For research purposes only

Related Products

Recommended Negative Controls

MOUSE IgG2a NEGATIVE CONTROL:FITC (MCA929F)

Recommended Useful Reagents

<u>HUMAN SEROBLOCK (BUF070A)</u> <u>HUMAN SEROBLOCK (BUF070B)</u>

 North & South
 Tel: +1 800 265 7376
 Worldwide
 Tel: +44 (0)1865 852 700
 Europe
 Tel: +49 (0) 89 8090 95 21

 America
 Fax: +1 919 878 3751
 Fax: +44 (0)1865 852 739
 Fax: +49 (0) 89 8090 95 50

To find a batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets 'M410773:221028'

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