

Datasheet: MCA1590SBV610

Description:	MOUSE ANTI HUMAN CD40:StarBright Violet 610
Specificity:	CD40
Format:	StarBright Violet 610
Product Type:	Monoclonal Antibody
Clone:	LOB7/6
Isotype:	lgG2a
Quantity:	100 TESTS/0.5ml

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 <u>www.bio-rad-antibodies.com/protocols</u> .								
	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 Reactivity	Reacts with: Dog N.B. Antibody reactivity and working conditions may vary between species. Cross reactivity is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information.								
Product Form	Purified IgG conjugated to StarBright Violet 610 - liquid								
Max Ex/Em	FluorophoreExcitation Max (nm)Emission Max (nm)StarBright Violet 610403607								
Preparation	Purified IgG prepared by affinity chromatography on Protein A from tissue culture supernatant								
Buffer Solution	Phosphate buffered saline								

Preservative Stabilisers	0.09% Sodium Azide (NaN ₃) 1% Bovine Serum Albumin 0.1% Pluronic F68 0.1% PEG 3350 0.05% Tween 20				
Immunogen	CD40 Ig(Fc) fusion protein containing the EC region of human human IgG.	CD40 and Fc region of			
External Database Links	UniProt:P25942Related reagentsEntrez Gene:958CD40Related reagents				
Synonyms	TNFRSF5				
RRID	AB_2943385				
Fusion Partners	Spleen cells from immunised BALB/c mice were fused with cel myeloma cell line.	Is of the mouse NS1			
Specificity	 Mouse anti Human CD40 antibody, clone LOB7/6 recognizes the human CD40 cell surface antigen, a 48kDa glycoprotein expressed by B lymphocytes and weakly by some monocytes. CD40 is involved in the process of B cell selection in germinal centres and is vital in T cell-B cell interactions. 				
Flow Cytometry	Use 5µl of the suggested working dilution to label 10^6 cells in 1 suggest a 5 minutes centrifugation at 6,000g prior to sample at				
References	 Quadbeck, B. <i>et al.</i> (2002) Maturation of thyroidal dendritic of Scand J Immunol. 55 (6): 612-20. Kirsch, B. M. <i>et al.</i> (2005) The active metabolite of leflunom with dendritic cell function. <u>Arthritis Res. Ther. 7: R694-R703.</u> Cheadle, E. <i>et al.</i> (2003) <i>Mycobacterium bovis</i> bacillus Calm dendritic cells potently activate autologous T cells via a B7 and mechanism. <u>Immunology.108: 79-88.</u> Carpenter, E.L. <i>et al.</i> (2009) Activation of human B cells by the CP-870,893 and augmentation with simultaneous toll-like recept Med. 7: 93. Garcia-Nieto, S. <i>et al.</i> (2010) Laminin and Fibronectin Treatm of Dendritic Cells with Superior Endocytic Capacity. <u>PLoS ONE</u> 6. Wang, Y.S. <i>et al.</i> (2007) Characterization of canine monocytic with phenotypic and functional differentiation. <u>Can J Vet Res. 7</u> Vlachoyiannopoulos, P.G. <i>et al.</i> (2004) Anti-CD40 antibodies 	hide, A77 1726, interferes hette-Guerin-infected I interleukin-12-dependent the agonist CD40 antibody ptor 9 stimulation. <u>J Transl</u> ment Leads to Generation $\frac{5.5 \cdot 1-10.}{2.5 \cdot 165-74.}$			

	 syndrome and systemic lupus erythematosus. <u>Thromb Haemost. 92: 1303-11.</u> 8. Leigh, J.E. <i>et al.</i> (2006) Characterization of the immune status of CD8+ T cells in oral lesions of human immunodeficiency virus-infected persons with oropharyngeal Candidiasis. <u>Clin Vaccine Immunol. 13: 678-83.</u> 9. Newman, K.C. <i>et al.</i> (2006) Cross-talk with myeloid accessory cells regulates human natural killer cell interferon-gamma responses to malaria. <u>PLoS Pathog. 2: e118.</u> 10. Kuijf, M.L. <i>et al.</i> (2010) TLR4-mediated sensing of <i>Campylobacter jejuni</i> by dendritic cells is determined by sialylation. <u>J Immunol. 185: 748-55.</u> 11. Huizinga R <i>et al.</i> (2015) Innate Immunity to <i>Campylobacter jejuni</i> in Guillain-Barré Syndrome. <u>Ann Neurol. 78 (3): 343-54.</u> 12. Yıldırım C <i>et al.</i> (2015) Galectin-2 induces a proinflammatory, anti-arteriogenic phenotype in monocytes and macrophages. <u>PLoS One. 10 (4): e0124347.</u> 13. Brencicova, E. <i>et al.</i> (2017) Interleukin-10 and prostaglandin E2 have complementary but distinct suppressive effects on Toll-like receptor-mediated dendritic cell activation in ovarian carcinoma. <u>PLoS One. 12 (4): e0175712.</u> 14. Silk, K.M. <i>et al.</i> (2012) Rapamycin conditioning of dendritic cells differentiated from human ES cells promotes a tolerogenic phenotype. <u>J Biomed Biotechnol. 2012: 172420.</u> 15. Tischer, S. <i>et al.</i> (2021) Acute cardiovascular effects of controlled exposure to dilute Petrodiesel and biodiesel exhaust in healthy volunteers: a crossover study. <u>Part Fibre Toxicol. 18 (1): 22.</u> 17. Milhau, N. <i>et al.</i> (2020) <i>In vitro.</i> evaluations on canine monocyte-derived dendritic cells of a nanoparticles delivery system for vaccine antigen against <u>Echinococcus granulosus.</u>. <u>PLoS One. 15 (2): e0229121.</u> 18. Uetz-von Allmen, E <i>et al.</i> (2021) CAL-1 as Cellular Model System to Study CCR7-Guided Human Dendritic Cell Migration. <u>Front Immunol. 12: 702453.</u>
Storage	Store at +4°C. DO NOT FREEZE. This product should be stored undiluted.
Guarantee	12 months from date of despatch
Acknowledgements	This product is covered by U.S. Patent No. 10,150,841 and related U.S. and foreign counterparts
Health And Safety Information	Material Safety Datasheet documentation #20471 available at: https://www.bio-rad-antibodies.com/SDS/MCA1590SBV610 20471
Regulatory	For research purposes only

Related Products

Recommended Useful Reagents

HUMAN SEROBLOCK (BUF070A) HUMAN SEROBLOCK (BUF070B)

North & South America	Tel: +1 800 265 7376 Fax: +1 919 878 3751 Email: antibody_sales_us@bio-r	Worldwide ad.com	Tel: +44 (0)1865 852 700 Fax: +44 (0)1865 852 739 Email: antibody_sales_uk@bio-	Europe rad.com	Tel: +49 (0) 89 8090 95 21 Fax: +49 (0) 89 8090 95 50 Email: antibody_sales_de@bio-ra	To ^{d.} mmd a		
batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets 'M421982:230822'								

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