

Datasheet: MCA2521A647

Description:	MOUSE ANTI HUMAN CD92:Alexa Fluor® 647
Specificity:	CD92
Other names:	CTL1
Format:	ALEXA FLUOR® 647
Product Type:	Monoclonal Antibody
Clone:	VIM-15b
lsotype:	lgG2b
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 generation	al protocol reco	ommend	lations, please visi	t <u>www.bio-</u>
	rad-antibodies.com/protocols.				
		Yes	No	Not Determined	Suggested Dilution
	Flow Cytometry	•			Neat - 1/10
	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 a guide only. It is recommended that the user titrates the product for use in their own system using appropriate negative/positive controls.				echnique this does not king dilutions are given as ct for use in their own
Target Species	Human				
Product Form	Purified IgG conjugated to Alexa Fluor® 647 - liquid				
Max Ex/Em	Fluorophore	Excitation Max	x (nm)	Emission Max (nm))
	Alexa Fluor®647	650		665	
Preparation	Purified IgG prepared by affinity chromatography on Protein G from tissue culture supernatant				
Buffer Solution	Phosphate buffered saline				
Preservative	0.09% Sodium Azide (NaN ₃)				
Stabilisers	1% Bovine Serum A	Albumin			
Approx. Protein Concentrations	IgG concentration 0.05	mg/ml			

Immunogen MV4-11 acute monocyte leukaemia cells.

External Database Links	UniProt: <u>Q8WWI5</u> <u>Related reagents</u> Entrez Gene: <u>23446</u> SLC44A1 <u>Related reagents</u>		
Synonyms	CD92, CDW92, CTL1		
RRID	AB_961484		
Fusion Partners	Spleen cells from immunised Balb/c mice were fused with cells of the X63-Ag8.653 myeloma cell line.		
Specificity	Mouse anti human CD92 antibody, clone VIM-15b recognizes the C-terminal variant of human CDw92 (isoform 3), also known as CTL1, a 70 kDa multi-pass membrane protein, expressed by monocytes, neutrophils, certain myeloid and T cell lines, and weakly by endothelial cells, fibroblasts and epithelial cells.		
	CDw92 is a member of the choline transporter-like protein family, so called due to their involvement in the efficient supply/transport of the natural amine choline, a vital cell nutrient required for the synthesis of cell membrane phospholipid components and the neurotransmitter acetylcholine.		
	Clone VIM-15b is reported to augment the LPS-induced production of IL-10 by monocyte- derived dendritic cells (Mo-DCs), and the reduced expression of CDw92 by Mo-DCs treated with ionomycin or calcium ionophore, can be reinduced in the presence of IL-10 (<u>Wille, S. <i>et al.</i></u>). Removal of Sodium Azide is recommended prior to use in functional assays. Bio-Rad recommend the use of <u>EQU003</u> for this purpose.		
Flow Cytometry	Use 10ul of the suggested working dilution to label 1x10 ⁶ cells in 100ul.		
References	 Wille, S. <i>et al.</i> (2001) Characterization of CDw92 as a member of the choline transporter-like protein family regulated specifically on dendritic cells. <u>J Immunol. 167 (10):</u> <u>5795-804.</u> Majdic, O. <i>et al.</i> (1995) Leucocyte Typing V. Oxford University Press, Oxford pp.984-5. 		
Further Reading	1. O'regan, S. <i>et al.</i> (2000) An electric lobe suppressor for a yeast choline transport mutation belongs to a new family of transporter-like proteins. <u>Proc Natl Acad Sci U S A.</u> <u>97 (4): 1835-40.</u>		
Storage	Store at +4°C or at -20°C if preferred. Storage in frost-free freezers is not recommended. This product should be stored undiluted. 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	
Acknowledgements	This product is provided under an intellectual property licence is Corporation. The transfer of this product is contingent on the bip product solely in research, excluding contract research or any and the buyer must not sell or otherwise transfer this product of diagnostic, therapeutic or prophylactic purposes; (b) testing, an services, or information in return for compensation on a per-test or quality assurance or quality control, or (d) resale, whether or research. For information on purchasing a license to this product as described above, contact Life Technologies Corporation, 57 CA 92008 USA or outlicensing@thermofisher.com	from Life Technologies uyer using the purchase fee for service research, or its components for (a) nalysis or screening st basis; (c) manufacturing r not resold for use in act for purposes other than 91 Van Allen Way, Carlsbad
Health And Safety Information	Material Safety Datasheet documentation #10041 available at: 10041: <u>https://www.bio-rad-antibodies.com/uploads/MSDS/100</u>	41.pdf
Regulatory	For research purposes only	

Related Products

Recommended Negative Controls

MOUSE IgG2b NEGATIVE CONTROL:Alexa Fluor® 647 (MCA691A647)

Recommended Useful Reagents

HUMAN SEROBLOCK (BUF070A)

HUMAN SEROBLOCK (E	<u> 30F070B)</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
	Email: antibody_sales_us@bio-rad.com	Email: antibody_sales_uk@bio-rad.com	Email: antibody_sales_de@bio-rad.com

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