

Datasheet: MCA5747PE

Description:	MOUSE ANTI HUMAN CD300a:RPE
Specificity:	CD300a
Other names:	IRp60
Format:	RPE
Product Type:	Monoclonal Antibody
Clone:	P192
lsotype:	lgG2a
Quantity:	100 TESTS

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							
	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							
Product Form	Purified IgG conjugated to R. Phycoerythrin (RPE) - lyophilized							
Reconstitution	Reconstitute with 1.0ml distilled water							
Max Ex/Em	Fluorophore	Excitation M	ax (nm)	Emission Max (nm)				
	RPE 488nm laser	496		578				
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 1% Bovine Serum Alb 5% Sucrose							

	of IL-5, GM-CSF, and eotaxin on human peripheral blood eosinophils. <u>Blood.</u> <u>107:1996-2003.</u>
	4. Munitz, A. <i>et al.</i> (2006) The inhibitory receptor IRp60 (CD300a) suppresses the effects
	bispecific antibody linking kit with CD300a. J Immunol. 180: 6064-9.
	fragment linking IgE to CD300a. <u>J Allergy Clin Immunol. 117: 1314-20.</u> 3. Bachelet, I. <i>et al.</i> (2008) Suppression of normal and malignant kit signaling by a
	2. Bachelet, I. <i>et al.</i> (2006) Abrogation of allergic reactions by a bispecific antibody
	functional on human mast cells. <u>J Immunol. 175: 7989-95.</u>
References	1. Bachelet, I. et al. (2005) The inhibitory receptor IRp60 (CD300a) is expressed and
Flow Cytometry	Use 10ul of the suggested working dilution to label 1x10 ⁶ cells in 100ul.
	certain inflammatory cytokines, whilst eosinophil-derived MBP (major basic protein) and EDN (neurotoxin), can down-regulate CD300a expression on mast cells <i>in vitro</i> .
	eosinophils significantly inhibits their survival, chemotaxis and activation in response to
	SCF-mediated survival. Furthermore, cross-linking of CD300a on the surface of
	Cross-linking of CD300a on NK results in a down-regulation of their cytolytic activity, whilst cross-linking of CD300a on mast cells, inhibits IgE-induced degranulation and
	monocytes, neutrophils, macrophages, granulocytes, dendritic cells (DC) and mast cells.
	otherwise known as IRp60 or inhibitory receptor protein 60. CD300a is a ~60kDa transmembrane glycoprotein expressed by natural killer cells (NK), T and B cell subsets,
Specificity	Mouse anti Human CD300a antibody, clone P192 recognizes human CD300a,
Fusion Partners	Spleen cells from immunized mice were fused with cells of the P3U1 myeloma cell line.
RRID	AB_11152762
Synonyms	CMRF35H, IGSF12
	11314 CD300A Related reagents
	Entrez Gene:
	Q9UGN4 Related reagents
Links	UniProt:
External Database	

	<u>https://v</u> 20487	www.bio-rad-ar	tibodies.com/SDS/MC/	<u> 45747PE</u>	
Regulato	ry For res	earch purpose			
Relate	d Products				
Recomm	nended Negative C	ontrols			
MOUSE I	G2a NEGATIVE CONT	ROL:RPE (MCA	<u>929PE)</u>		
Recomm	nended Useful Rea	igents			
	EROBLOCK (BUF070A EROBLOCK (BUF070B	_			
North & South America	Tel: +1 800 265 7376 Fax: +1 919 878 3751 Email: antibody_sales_us@b	Worldwide	Tel: +44 (0)1865 852 700 Fax: +44 (0)1865 852 739 Email: antibody_sales_uk@bi	Europe o-rad.com	Tel: +49 (0) 89 8090 95 21 Fax: +49 (0) 89 8090 95 50 Email: antibody_sales_de@bio-rad.com
To find a b	atch/lot specific datash	eet for this produ	ict, please use our online 'M419406:230616'	search tool at:	bio-rad-antibodies.com/datasheets

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