

Datasheet: MCA2538PE BATCH NUMBER 153591

Description:	MOUSE ANTI HUMAN CD79a:RPE
Specificity:	CD79a
Other names:	MB-1
Format:	RPE
Product Type:	Monoclonal Antibody
Clone:	HM57
lsotype:	lgG1
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-</u>				
	rad-antibodies.com/proto	DCOIS. Vos	No	Not Determined	Suggested Dilution
	Flow Cytometry (1)	•		Not Determined	Neat
	Where this product has necessarily exclude its u a guide only. It is recomin system using appropriate (1) Membrane permeab the use of Leucoperm ¹	not been teste use in such pr mended that t e negative/po ilisation is re M (Product C	ed for us ocedure the user sitive co equired t Code <u>BU</u>	e in a particular te s. Suggested work titrates the produc ntrols. for this applicatio F09) for this pur	echnique this does not king dilutions are given as et for use in their own on. Bio-Rad recommends pose.
Target Species	Human				
Species Cross Reactivity	Reacts with: Mouse, Rabbit, Horse, Pig, Monkey, Rat, Bovine, Guinea Pig, Fallow deer, American Bison, Red deer, Ferret, Goat 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 R. Phycoerythrin (RPE) - lyophilized				
Reconstitution	Reconstitute with 1ml dis	stilled water			
Max Ex/Em	Fluorophore	Excitation Max	(nm) E	mission 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 sa	line			
Preservative Stabilisers	0.09% Sodium Azide (1% Bovine Serum A 5% Sucrose	NaN ₃) Albumin			
Immunogen	Synthetic peptide corre	esponding to 202-216 amin	o acid sequence of hur	nan mb-1	
External Database Links	UniProt: <u>P11912</u> <u>Related</u> Entrez Gene: <u>973</u> CD79A <u>Rela</u>	<u>I reagents</u> ated reagents			
Synonyms	IGA, MB1				
RRID	AB_931716				
Fusion Partners	Spleen cells from imme line	unised Balb/c mice were fu	sed with cells of the Sp	o2/0 myeloma cell	
Specificity	Mouse anti Human C cytoplasmic domain of expressed by B lympho plasma cells. The CD79a molecule a non-covalently linked to complex. The CD79a/C following antigen-bindi	D79a antibody, clone HM CD79a. CD79a, also know ocytes during differentiation associates with CD79b (B2 o surface immunoglobulin, CD79b heterodimers are al-	 7 recognizes an epitop n as mb-1, is a 45 kDa from early pre-B cell s to form a heterodime forming the B-cell rece n necessary for intrace 	be within the protein that is stage through to er that is ptor (BCR) ellular signaling	
Flow Cytometry	Use 10ul of the sugges	sted working dilution to lab	el 1x10 ⁶ cells in 100ul.		
References	1. Mason, D.Y. <i>et al.</i> (1 neoplastic B cells. J Im 2. Jones, M. <i>et al.</i> (199 reactive anti-peptide an 3. Christgau, M. <i>et al.</i> (2 canine periodontium. J 4. Spaas, J.H. <i>et al.</i> (2 mesenchymal stromal 5. Nelson, D.D. <i>et al.</i> (2)	991) The IgM-associated p munol. 147 (11): 2474-82. 93) Detection of T and B centibodies. <u>J Immunol. 150 (</u> (1998) Characterization of <u>Histochem Cytochem. 46:</u> 013) Culture and character cells. <u>Vet J. 195 (1): 107-1</u> 2010) CD8(+)/perforin(+)/W	rotein mb-1 as a marke Ils in many animal spec <u>12): 5429-35.</u> mmunocompetent cells <u>1443-54.</u> sation of equine peript <u>3.</u> [C1(-) gammadelta T c	er of normal and cies using cross- s in the diseased neral blood ells, not CD8(+)	

alphabeta T cells, infiltrate vasculitis lesions of American bison (*Bison bison*) with experimental sheep-associated malignant catarrhal fever. <u>Vet Immunol Immunopathol.</u> <u>136: 284-91.</u>

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<u>Comp Pathol. 154 (4): 341-4.</u>

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Further Reading	1. Piriou-Guzylack, L. (2008) Membrane markers of the immune cells in swine: an update.
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Storage	Store at +4°C. DO NOT FREEZE.
	This product should be stored undiluted. This product is photosensitive and should be
	protected from light. Should this product contain a precipitate we recommend
	microcentrifugation before use.
Guarantee	12 months from date of despatch
Health And Safety	Material Safety Datasheet documentation #20487 available at:
Information	https://www.bio-rad-antibodies.com/SDS/MCA2538PE
	20487
Pogulatory	
negulatory	For research purposes only

Related Products

Recommended Negative Controls

MOUSE IgG1 NEGATIVE CONTROL:RPE (MCA928PE)

Recommended Useful Reagents

HUMAN SEROBLOCK (BUF070A)

North & South	Tel: +1 800 265 7376	orldwide	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	m	Email: antibody_sales_uk@bio-rad	.com	Email: antibody_sales_de@bio-rad.com

To find a batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets 'M375514:210104'

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