Datasheet: MCA87PBT BATCH NUMBER 148441

Description:	MOUSE ANTI HUMAN CD45:Pacific Blue®
Specificity:	CD45
Other names:	LCA
Format:	Pacific Blue®
Product Type:	Monoclonal Antibody
Clone:	F10-89-4
lsotype:	lgG2a
Quantity:	25 TESTS/0.25ml

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 antibody 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 antibody for use in their own system using appropriate negative/positive controls.					
Target Species	Human					
Species Cross Reactivity	Reacts with: Horse 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 Pacific Blue® - liquid					
Max Ex/Em	Fluorophore	Excitation Max (nm)	Emission Max (nm)			
	Pacific Blue®	410	455			
Preparation	Purified IgG prepared by affinity chromatography on Protein G from tissue culture supernatant					

Buffer Solution	Phosphate buffered saline	
Preservative Stabilisers	0.09% Sodium Azide 1% Bovine Serum Albumin	
Approx. Protein Concentrations	IgG concentration 0.05 mg/ml	
Immunogen	Human T lymphocytes.	
External Database Links	UniProt: <u>P08575</u> <u>Related reagents</u> Entrez Gene: <u>5788</u> PTPRC <u>Related reagents</u>	
Synonyms	CD45	
RRID	AB_1102056	
Fusion Partners	Spleen cells from immunised BALB/c mice were fused with cells of th myeloma cell line.	e mouse NS-1
Specificity	Mouse anti Human CD45 antibody, clone F10-89-4 recognizes the surface antigen, also known as the leucocyte common antigen (LCA) molecule existing in a number of isoforms.	. CD45 is a complex
	Antibodies recognising a common epitope on all of these isoforms are those recognising only individual isoforms are termed CD45RA or CE	
	Mouse anti Human CD45 antibody, clone F10-89-4 reacts with all for expressed by all haematopoietic cells, except erythrocytes, having a expression on lymphocytes than on granulocytes.	
	Mouse anti Human CD45 antibody, clone F10-89-4 is routinely tested human peripheral blood leucocytes	l in flow cytometry on
Flow Cytometry	Use 10ul of the suggested working dilution to label 10 ⁶ cells or 100ul	whole blood.
References	 Dalchau, R. <i>et al.</i> (1980) Monoclonal antibody to a human leukocy glycoprotein probably homologous to the leukocyte-common (L-C) an <u>Immunol. 10 (10): 737-44.</u> Quenby, S <i>et al.</i> (1999) Pre-implantation endometrial leukocytes in recurrent miscarriage. <u>Human Reprod. 14(9):2386-2391.</u> Hauser, P.V. <i>et al.</i> (2010) Stem cells derived from human amniotic acute kidney injury recovery. <u>Am J Pathol. 177: 2011-21.</u> Mallam, E. <i>et al.</i> (2010) Characterization of <i>in vitro</i> expanded bone 	tigen of the rat. <u>Eur J</u> women with fluid contribute to

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Storage Store at +4°C or at -20°C if preferred.

This product should be stored undiluted.

Storage in frost free freezers is not recommended. 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	18 months from date of despatch.		
Acknowledgements	This product is provided under an intellectual property licence from Life Technologies Corporation. The transfer of this product is contingent on the buyer using the purchased product solely in research, excluding contract research or any fee for service research, and the buyer must not sell or otherwise transfer this product or its components for (a) diagnostic, therapeutic or prophylactic purposes; (b) testing, analysis or screening services, or information in return for compensation on a per-test basis; (c) manufacturing or quality assurance or quality control, or (d) resale, whether or not resold for use in research. For information on purchasing a license to this product for purposes other than as described above, contact Life Technologies Corporation, 5791 Van Allen Way, Carlsbad CA 92008 USA or outlicensing@thermofisher.com		
Health And Safety Information	Material Safety Datasheet documentation #10041 available at: https://www.bio-rad-antibodies.com/SDS/MCA87PBT 10041		
Regulatory	For research purposes only		

Related Products

Recommended Negative Controls

MOUSE IgG2a NEGATIVE CONTROL:Pacific Blue® (MCA929PB)

Recommended Useful Reagents

HUMAN SEROBLOCK (BUF070A) HUMAN SEROBLOCK (BUF070B)

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@bi	io-rad.com	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 'M343331:190110'

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