

Datasheet: MCA88PB

Description:	MOUSE ANTI HUMAN CD45RA:Pacific Blue®
Specificity:	CD45RA
Format:	Pacific Blue®
Product Type:	Monoclonal Antibody
Clone:	F8-11-13
Isotype:	IgG1
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 general protocol recommendations, please visit www.bio-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 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: Rhesus Monkey N.B. Antibody reactivity and working conditions may vary between species		
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 A from		
Buffer Solution	Phosphate buffered saline		
Preservative Stabilisers	0.09% Sodium Azide (NaN ₃)		
	1%	Bovine Serum Albumin	
Approx. Protein Concentrations	IgG concentration 0.05 mg/ml		
Immunogen	Human T lymphocytes		
External Database Links	UniProt:		

Entrez Gene:

[5788](#) PTPRC [Related reagents](#)

Synonyms	CD45
Fusion Partners	Spleen cells from immunised BALB/c mouse were fused with cells of the NS-1 mouse myeloma cell line
Specificity	Mouse anti Human CD45RA antibody, clone F8-11-13 recognizes the human CD45RA cell surface antigen. CD45 is a complex molecule existing in a number of isoforms. Antibodies recognising a common epitope on all of these isoforms are termed CD45 whilst those recognising only individual isoforms are termed CD45RA or CD45RO etc. Mouse anti Human CD45RA antibody, clone F8-11-13 reacts with the high molecular weight form of the leucocyte common antigen (LCA) expressed by B lymphocytes and a subset of T lymphocytes. Mouse anti Human CD45RA antibody, clone F8-11-13 is routinely tested in flow cytometry on human peripheral blood lymphocytes.
Flow Cytometry	Use 10ul of the suggested working dilution to label 10 ⁶ cells in 100ul
References	1. Dalchau, R. & Fabre, J.W. (1981) Identification with a monoclonal antibody of a predominantly B lymphocyte-specific determinant of the human leukocyte common antigen. Evidence for structural and possible functional diversity of the human leukocyte common molecule. J Exp Med. 153 (4): 753-65. 2. O'Grady, J.T. <i>et al.</i> (1994) CD40 expression in Hodgkin's disease. Am J Pathol. 144 (1): 21-6. 3. Franitza, S. <i>et al.</i> (2002) TGF-beta1 enhances SDF-1alpha-induced chemotaxis and homing of naive T cells by up-regulating CXCR4 expression and downstream cytoskeletal effector molecules. Eur J Immunol. 32 (1): 193-202. 4. 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. Clin Vaccine Immunol. 13 (6): 678-83. 5. Hunt, L. <i>et al.</i> (2016) T cell subsets: an immunological biomarker to predict progression to clinical arthritis in ACPA-positive individuals. Ann Rheum Dis. 75 (10): 1884-9. 6. Ibana, J.A. <i>et al.</i> (2012) The major CD8 T cell effector memory subset in the normal and <i>Chlamydia trachomatis</i>-infected human endocervix is low in perforin. BMC Immunol. 13: 66.
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.
Shelf Life	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: 10041: https://www.bio-rad-antibodies.com/uploads/MSDS/10041.pdf
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Regulatory	For research purposes only
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Related Products

Recommended Negative Controls

[MOUSE IgG1 NEGATIVE CONTROL:Pacific Blue® \(MCA928PB\)](#)

Recommended Useful Reagents

[HUMAN SEROBLOCK \(BUF070A\)](#)

[HUMAN SEROBLOCK \(BUF070B\)](#)

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