

Datasheet: MCA88PB

BATCH NUMBER 149909

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. 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 A from tissue culture supernatant

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	<p>UniProt: P08575 Related reagents</p> <p>Entrez Gene: 5788 PTPRC Related reagents</p>
Synonyms	CD45
RRID	AB_844507
Fusion Partners	Spleen cells from immunized BALB/c mouse were fused with cells of the NS-1 mouse myeloma cell line
Specificity	<p>Mouse anti Human CD45RA antibody, clone F8-11-13 recognizes the human CD45RA cell surface antigen.</p> <p>CD45 is a complex molecule existing in a number of isoforms. Antibodies recognizing a common epitope on all of these isoforms are termed CD45 whilst those recognizing only individual isoforms are termed CD45RA or CD45RO etc.</p> <p>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.</p> <p>Mouse anti Human CD45RA antibody, clone F8-11-13 is routinely tested in flow cytometry on human peripheral blood lymphocytes.</p>
Flow Cytometry	Use 10ul of the suggested working dilution to label 10 ⁶ cells in 100ul
References	<ol style="list-style-type: none"> 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. *et al.* (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. *et al.* (2012) The major CD8 T cell effector memory subset in the normal and *Chlamydia trachomatis*-infected human endocervix is low in perforin. [BMC Immunol. 13: 66.](#)

7. Ponchel, F. *et al.* (2014) An immunological biomarker to predict MTX response in early RA. [Ann Rheum Dis. 73 \(11\): 2047-53.](#)

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 12 months from date of despatch

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Health And Safety Information Material Safety Datasheet documentation #10041 available at: <https://www.bio-rad-antibodies.com/SDS/MCA88PB>
10041

Regulatory For research purposes only

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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