

Datasheet: MCA88A488

Description:	MOUSE ANTI HUMAN CD45RA:Alexa Fluor® 488
Specificity:	CD45RA
Format:	ALEXA FLUOR® 488
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

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 Alexa Fluor® 488 - liquid		
Max Ex/Em	Fluorophore	Excitation Max (nm)	Emission Max (nm)
	Alexa Fluor®488	495	519
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 Albumin

Approx. Protein Concentrations

IgG concentration 0.05 mg/ml

Immunogen

Human T lymphocytes

External Database Links**UniProt:**

[P08575](#)

[Related reagents](#)

Entrez Gene:

[5788](#)

PTPRC

[Related reagents](#)

Synonyms

CD45

Fusion Partners

Spleen cells from immunized 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 recognizing a common epitope on all of these isoforms are termed CD45 whilst those recognizing 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 1×10^6 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. *et al.* (1994) CD40 expression in Hodgkin's disease. [Am J Pathol. 144 \(1\): 21-6.](#)
3. Franitza, S. *et al.* (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. *et al.* (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. 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

Acknowledgements

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Health And Safety Information

Material Safety Datasheet documentation #10041 available at:
10041: <https://www.bio-rad-antibodies.com/uploads/MSDS/10041.pdf>

Regulatory

For research purposes only

Related Products

Recommended Negative Controls

[MOUSE IgG1 NEGATIVE CONTROL:Alexa Fluor® 488 \(MCA928A488\)](#)

Recommended Useful Reagents

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

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

North & South America Tel: +1 800 265 7376
Fax: +1 919 878 3751
Email: antibody_sales_us@bio-rad.com

Worldwide Tel: +44 (0)1865 852 700
Fax: +44 (0)1865 852 739
Email: antibody_sales_uk@bio-rad.com

Europe Tel: +49 (0) 89 8090 95 21
Fax: +49 (0) 89 8090 95 50
Email: antibody_sales_de@bio-rad.com

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