

Datasheet: MCA2811F

Description:	MOUSE ANTI HUMAN CD45RA:FITC
Specificity:	CD45RA
Format:	FITC
Product Type:	Monoclonal Antibody
Clone:	HI100
Isotype:	IgG2b
Quantity:	0.1 mg

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: Chimpanzee

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 Fluorescein Isothiocyanate Isomer 1 (FITC) - liquid

Max Ex/Em	Fluorophore	Excitation Max (nm)	Emission Max (nm)
	FITC	490	525

Preparation

Purified IgG prepared by affinity chromatography

Buffer Solution

Phosphate buffered saline.

Preservative Stabilisers

0.09% Sodium Azide (NaN₃)

Approx. Protein Concentrations	IgG concentration 0.2 mg/ml
External Database Links	<p>UniProt: P08575 Related reagents</p> <p>Entrez Gene: 5788 PTPRC Related reagents</p>
Synonyms	CD45
Specificity	<p>Mouse anti Human CD45RA antibody, clone HI100 recognizes the human CD45RA cell surface antigen, the 220 kDa exon 4 splice variant of the leukocyte common antigen, also known as CD45, LCA or receptor-type tyrosine-protein phosphatase C. CD45 is a single pass type I transmembrane glycoprotein with two fibronectin type III domains and two tyrosine-protein phosphatase domains (UniProt: P08575). CD45RA is expressed by a subset of T lymphocytes, B lymphocytes and most monocytes.</p> <p>Mutations in the CD45 gene can lead to severe combined immunodeficiency disease characterized by a complete lack of the T cell mediated immune response (Tchilian <i>et al.</i> 2001) and a susceptibility for the development of multiple sclerosis (Jacobsen <i>et al.</i> 2000).</p>
Flow Cytometry	Use 5ul of the suggested working dilution to label 1×10^6 cells in 100ul
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	Guaranteed for 12 months from the date of despatch or until the date of expiry, whichever comes first. Please see label for expiry date.
Health And Safety Information	Material Safety Datasheet documentation #10040 available at: https://www.bio-rad-antibodies.com/SDS/MCA2811F10040
Regulatory	For research purposes only

Related Products

Recommended Negative Controls

[MOUSE IgG2b NEGATIVE CONTROL:FITC \(MCA691F\)](#)

Recommended Useful Reagents

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

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

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To find a

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

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