

Datasheet: MCA87A488T

Description:	MOUSE ANTI HUMAN CD45:Alexa Fluor® 488
Specificity:	CD45
Other names:	LCA
Format:	ALEXA FLUOR® 488
Product Type:	Monoclonal Antibody
Clone:	F10-89-4
Isotype:	lgG2a
Quantity:	25 TESTS/0.25ml

Product Details

Applications	This product has been derived from testing wi communications from t information. For genera rad-antibodies.com/pro	thin our labora the originators al protocol rec	atories, . Please	peer-reviewed publica refer to references in	itions or personal ndicated for further
		Yes	No	Not Determined	Suggested Dilution
	Flow Cytometry				Neat
	Where this antibody han necessarily exclude its a guide only. It is recor system using appropria	use in such p nmended that	rocedur the use	es. Suggested workin r titrates the antibody	ng dilutions are given as
Target Species	Human				
Product Form	Purified IgG conjugated to Alexa Fluor® 488 - liquid				
Max Ex/Em	Fluorophore	Excitation Ma	x (nm)	Emission Max (nm)	
	Alexa Fluor®488	495		519	
Preparation	Purified IgG prepared I supernatant	by affinity chro	matogra	aphy on Protein A fror	m tissue culture
Buffer Solution	Phosphate buffered saline				
Preservative Stabilisers	0.09% Sodium Azide 1% Bovine Serum A	Albumin			
Approx. Protein Concentrations	IgG concentration 0.05	i 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_1102052
Fusion Partners	Spleen cells from immunized BALB/c mice were fused with cells of the mouse NS-1 myeloma cell line.
Specificity	Mouse anti Human CD45 antibody, clone F10-89-4 recognizes the human CD45 cell surface antigen, also known as leucocyte common antigen (LCA). 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 CD45 antibody, clone F10-89-4 reacts with all forms of CD45 expressed by all haematopoietic cells, except erythrocytes, having a higher level of expression on lymphocytes than on granulocytes. It is routinely tested in flow cytometry on human peripheral blood leucocytes.
	Mouse anti Human CD45 antibody, clone F10-89-4, has been validated for use on the <u>Genesis Cell Isolation System with the CelSelect SlideTM technology</u> .
Flow Cytometry	Use 10ul of the suggested working dilution to label 10 ⁶ cells or 100ul whole blood.
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Storage	This product is shipped at ambient temperature. It is recommended to aliquot and store at -20°C on receipt. When thawed, aliquot the sample as needed. Keep aliquots at 2-8°C for short term use (up to 4 weeks) and store the remaining aliquots at -20°C. Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended. This product is photosensitive and should be protected from light.
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/MCA87A488T
Regulatory	For research purposes only

Related Products

Recommended Negative Controls

MOUSE IgG2a NEGATIVE CONTROL:Alexa Fluor® 488 (MCA929A488)

Recommended Useful Reagents

HUMAN SEROBLOCK (BUF070A)

Product inquiries: www.bio-rad-antibodies.com/technical-support

To find a batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets 'M384642:210513'

Printed on 19 Jun 2025

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