Datasheet: MCA87SBR670 BATCH NUMBER 100007912

Description:	MOUSE ANTI HUMAN CD45:StarBright Red 670		
Specificity:	CD45		
Other names:	LCA		
Format:	StarBright Red 670		
Product Type:	Monoclonal Antibody		
Clone:	F10-89-4		
lsotype:	lgG2a		
Quantity:	100 TESTS/0.5ml		

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 <u>www.bio-rad-antibodies.com/protocols</u> .					
		Yes No	Not Determined	Suggested Dilution		
	Flow Cytometry	-		Neat		
	necessarily exclude its	use in such proc mmended that the	for use in a particular tec edures. Suggested workir user titrates the product ve controls.	ng dilutions are given as		
Target Species	Human					
Product Form	Purified IgG conjugated to StarBright Red 670 - liquid					
Max Ex/Em	Fluorophore	Excitation Max (r	m) Emission Max (nm)			
	StarBright Red 670	653	666			
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 Albu 0.1% Pluronic F68 0.1% PEG 3350	0,				

	0.05% Tween 20
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
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 5µl of the suggested working dilution to label 10^6 cells in $100µl$. Best practices suggest a 5 minutes centrifugation at 6,000g prior to sample application.
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Storage	Store at +4°C. DO NOT FREEZE.				
	This product should be stored undiluted.				
Guarantee	12 months from date of despatch				
Acknowledgements	This product is covered by U.S. Patent No. 10,150,841 and re counterparts	lated U.S. and foreign			
Health And Safety Information	Material Safety Datasheet documentation #20471 available at https://www.bio-rad-antibodies.com/SDS/MCA87SBR670 20471	:			
Regulatory	For research purposes only				

Related Products

Recommended Useful Reagents

HUMAN SEROBLOCK (BUF070A) HUMAN SEROBLOCK (BUF070B)

North & South	Tel: +1 800 265 7376	Worldwide	Tel: +44 (0)1865 852 700	Europe	Tel: +49 (0) 89 8090 95 21
America	Fax: +1 919 878 3751		Fax: +44 (0)1865 852 739		Fax: +49 (0) 89 8090 95 50
	Email: antibody_sales_us@bio-r	ad.com	Email: antibody_sales_uk@bio-rad	d.com	Email: antibody_sales_de@bio-rad.com

To find a batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets 'M419803:230619'

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