

Datasheet: MCA87SBB615

# **BATCH NUMBER 100006874**

Description:	MOUSE ANTI HUMAN CD45:StarBright Blue 615		
Specificity:	CD45		
Other names:	LCA		
Format:	StarBright Blue 615		
Product Type:	Monoclonal Antibody		
Clone:	F10-89-4		
Isotype:	IgG2a		
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 <a href="www.bio-rad-antibodies.com/protocols">www.bio-rad-antibodies.com/protocols</a>.

	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		
Product Form	Purified IgG conjugat	ted to StarBright Blue 6	615 - liquid
/lax Ex/Em	Fluorophore	Excitation Max (nm)	Emission Max (nm)
	StarBright Blue 615	475	612
reparation	Purified IgG prepared supernatant	d by affinity chromatog	raphy on Protein A f
ffer Solution	Phosphate buffered s	saline	
eservative	0.09% Sodium Azide	(NaN <sub>3</sub> )	
tabilisers	1% Bovine Serum Al	bumin	
	0.1% Pluronic F68		
	0.1% PEG 3350		

<b>Immunoger</b>	1
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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 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 Genesis Cell Isolation System with the CelSelect Slide<sup>TM</sup> technology.

## Flow Cytometry

Use 5ul of the suggested working dilution to label 10<sup>6</sup> cells in 100ul. Best practices suggest a 5 minutes centrifugation at 6,000g prior to sample application.

### References

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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 related U.S. and foreign counterparts
Health And Safety Information	Material Safety Datasheet documentation #20471 available at: <a href="https://www.bio-rad-antibodies.com/SDS/MCA87SBB615">https://www.bio-rad-antibodies.com/SDS/MCA87SBB615</a> 20471
Regulatory	For research purposes only

# Related Products

# **Recommended Useful Reagents**

HUMAN SEROBLOCK (BUF070A) HUMAN SEROBLOCK (BUF070B)

North & South Tel: +1 800 265 7376

America Fax: +1 919 878 3751

Worldwide

Tel: +44 (0)1865 852 700

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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 'M407313:221007'

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