

Datasheet: MCA1931F

BATCH NUMBER 171650

Description:	MOUSE ANTI HUMAN CD23:FITC
Specificity:	CD23
Other names:	FceRII
Format:	FITC
Product Type:	Monoclonal Antibody
Clone:	D3.6
Isotype:	IgG2a
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		
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 on Protein A from tissue culture supernatant		
Buffer Solution	Phosphate buffered saline		
Preservative	0.09% sodium azide (NaN ₃)		
Stabilisers	1% bovine serum albumin		
Approx. Protein	IgG concentration 0.1 mg/ml		

Concentrations

Immunogen Immunoprecipitated CD23 antigen from purified plasma membranes from EBV-transformed human lymphoblastoid B cell lines

External Database

Links

UniProt:

[P06734](#) [Related reagents](#)

Entrez Gene:

[2208](#) FCER2 [Related reagents](#)

Synonyms CD23A, CLEC4J, FCE2, IGEBF

RRID AB_323187

Specificity **Mouse anti Human CD23 antibody, clone D3.6** recognizes CD23 also known as FcεRII (Fc epsilon Receptor II). CD23 is a ~45 kDa cell surface glycoprotein that acts as a low affinity receptor for IgE.

CD23 is expressed by B cells in the follicular mantle but not by proliferating germinal centre cells. CD23 is also expressed by eosinophils.

Flow Cytometry Use 10µl of the suggested working dilution to label 10⁶ cells in 100µl

References 1. Thompson, S.A. *et al.* (2010) B-cell reconstitution and BAFF after alemtuzumab (Campath-1H) treatment of multiple sclerosis. [J Clin Immunol. 30 \(1\): 99-105.](#)

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

Health And Safety Information Material Safety Datasheet documentation #10041 available at: <https://www.bio-rad-antibodies.com/SDS/MCA1931F>

Regulatory For research purposes only

Related Products

Recommended Negative Controls

[MOUSE IgG2a NEGATIVE CONTROL:FITC \(MCA929F\)](#)

Recommended Useful Reagents

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

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

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

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