

Datasheet: MCA1853F

Description:	MOUSE ANTI HUMAN CD163:FITC
Specificity:	CD163
Format:	FITC
Product Type:	Monoclonal Antibody
Clone:	EDHu-1
Isotype:	IgG1
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 - 1/10

Where this antibody 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 antibody for use in their own system using appropriate negative/positive controls.

Target Species	Human		
Species Cross Reactivity	Reacts with: Rhesus Monkey, Sheep, Pig, Guinea Pig, Bovine N.B. Antibody reactivity and working conditions may vary between species.		
Product Form	Purified IgG conjugated to Fluorescein Isothiocyanate Isomer 1 (FITC) - liquid		
Max Ex/Em	Fluorophore FITC	Excitation Max (nm) 490	Emission Max (nm) 525
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 (NaN ₃) 1% Bovine Serum Albumin		
Approx. Protein Concentrations	IgG concentration 0.1mg/ml		
Immunogen	Leucocytes harvested from the pleural cavity of patients with idiopathic spontaneous pneumothorax		
External Database Links	UniProt:		

Entrez Gene:

[9332](#) CD163 [Related reagents](#)

Synonyms

M130

Specificity

Mouse anti Human CD163 antibody, clone EDHu-1 recognizes the human CD163 cell surface antigen, a 130-140 kDa glycoprotein expressed by tissue macrophages. CD163 is not expressed by resting peripheral blood leucocytes but expression may be induced on monocytes by culture in dexamethasone.

Clone EDHu-1 is reported to inhibit the binding of haptoglobin/hemoglobin to CD163 ([Madsen *et al.* 2004](#)). Truncation mutation analysis demonstrates binding of EDHu-1 occurs via the N-terminal region of CD163 containing the first three scavenger receptor, Cysteine-rich, [SRCR domains](#) the third domain being critical as, cleavage of this domain at the major cleavage site [ASP-265](#) abrogates binding to the N-terminal fragment.

Flow Cytometry

Use 10ul of the suggested working dilution to label 10⁶ cells in 100ul.

References

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Storage

Store at +4°C or at -20°C if preferred. This product should be stored undiluted. Storage in frost free

freezers is not recommended. This product is photosensitive and should be protected from light. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

Shelf Life	18 months from date of despatch.
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Health And Safety Information	Material Safety Datasheet documentation #10041 available at: 10041: https://www.bio-rad-antibodies.com/uploads/MSDS/10041.pdf
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Regulatory	For research purposes only
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Related Products

Recommended Negative Controls

[MOUSE IgG1 NEGATIVE CONTROL:FITC \(MCA928F\)](#)

Recommended Useful Reagents

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

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

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Printed on 01 Aug 2018