

Datasheet: MCA2510F

Description:	MOUSE ANTI HUMAN CD18:FITC
Specificity:	CD18
Other names:	INTEGRIN BETA 2 CHAIN
Format:	FITC
Product Type:	Monoclonal Antibody
Clone:	Bu86
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 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 G		
Buffer Solution	Phosphate buffered saline		
Preservative	0.09% Sodium Azide (NaN ₃)		
Stabilisers	1% Bovine Serum Albumin		
Approx. Protein Concentrations	IgG concentration 0.1mg/ml		

**External Database
Links**

UniProt:

[P05107](#) [Related reagents](#)

Entrez Gene:

[3689](#) ITGB2 [Related reagents](#)

Synonyms

CD18, MF17

RRID

AB_844480

Specificity

Mouse anti Human CD18 antibody, clone Bu86 recognize human CD18 (integrin beta 2 subunit), a 90 kDa type I transmembrane protein which is expressed on all leucocytes. CD18 can combine with integrin molecules CD11a – c to form heterodimers at the cell surface. These heterodimers are known to participate in the process of cell adhesion as well as cell-surface mediated signalling.

Flow Cytometry

Use 10ul of the suggested working dilution to label 1×10^6 cells in 100ul.

References

1. Garland Press, Inc. (1997) Leucocyte Typing VI. White cell differentiation antigens. p 355–7.

Storage

Store at +4°C or at -20°C if preferred.
Storage in frost-free freezers is not recommended.
This product should be stored undiluted. 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.

Guarantee

18 months from date of despatch.

**Health And Safety
Information**

Material Safety Datasheet documentation #10041 available at:
10041: <https://www.bio-rad-antibodies.com/uploads/MSDS/10041.pdf>

Regulatory

For research purposes only

Related Products

Recommended Negative Controls

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

Recommended Useful Reagents

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

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

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