

Monoclonal Antibody to CD18 / ITGB2 - FITC

Alternate names:	95 subunit beta, Cell surface adhesion glycoproteins LFA-1/CR3/p150, Complement receptor C3 subunit beta, Integrin beta-2, MFI7
Catalog No.:	AM01056FC-N
Quantity:	0.1 mg
Concentration:	0.1mg/ml
Background:	CD18 is an integrin. Integrins are integral cell surface proteins composed of an alpha chain and a beta chain. A given chain may combine with multiple partners resulting in different integrins. For example, beta 2 combines with the alpha L chain to form the integrin LFA1, and combines with the alpha M chain to form the integrin Mac1. Integrins are known to participate in cell adhesion as well as cell surface mediated signalling. CD18 is expressed by most leucocytes. Defects in the CD18 gene result in leukocyte adhesion deficiency.
Uniprot ID:	P05107
NCBI:	NP_000202.2
GeneID:	3689
Host / Isotype:	Mouse / IgG1
Clone:	Bu86
Format:	State: Liquid purified Ig Purification: Affinity chromatography on Protein G Buffer System: Phosphate buffered saline pH7.4 containing 0.09% Sodium Azide (NaN ₃), 1% Bovine Serum Albumin Label: FITC – Fluorescein Isothiocyanate Isomer 1
Applications:	Flow Cytometry: 1/10; 10µl of the suggested working dilution to label 1x10 ⁶ cells in 100µl. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	This antibody recognise CD18 (integrin beta 2 subunit), a 90kD type I transmembrane protein which is expressed on all leucocytes. CD18 can combine with integrin molecules CD11a Species: Human. Other species not tested.
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
Caution:	(A full Health and Safety assessment is available upon request) This product contains Sodium Azide: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

For research and in vitro use only. Not for diagnostic or therapeutic work.
Material Safety Datasheets are available at www.acris-antibodies.com or on request.

Antibody Hotline - Technical Questions - Antibody Location Service
Free Call: 0800-2274746 (Germany only) - www.acris-antibodies.com



General Readings: 1. Garland Press, Inc. (1997) Leucocyte Typing VI. White cell differentiation antigens. p 355 - 357.

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