

Monoclonal Antibody to CD18 / ITGB2 (activation epitope) - 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.:	BM4031F
Quantity:	0.1 mg
Concentration:	0.1 mg/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:	MEM-148
Format:	State: Liquid purified IgG Purification: Affinity chromatography on Protein G Buffer System: Contains 0.09% Sodium Azide and 1% Bovine Serum Albumin Label: FITC – Fluorescein Isothiocyanate Isomer 1
Applications:	Flow cytometry. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	This antibody recognises an epitope on the CD18 molecule that is hidden in the CD11/CD18 heterodimer on resting cells. Clone MEM-148 binds very weakly to resting peripheral blood leukocytes and strongly to all leukocytes upon cellular activation. The epitope recognised by MEM-148 is also exposed during dissociation of the CD11/CD18 by low pH. 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. This product is photosensitive and should be protected from light. Shelf life: one year from despatch.

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 References: 1. Drbal, K., et al. (2001) A proteolytically truncated form of free CD18, the common chain of leukocyte integrins, as a novel marker of activated myeloid cells. Blood. 98: 1561 - 1566.

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