

Monoclonal Antibody to CD11c - FITC

Alternate names:	CD11 antigen-like family member C, ITGAX, Integrin alpha-X, Leu M5, Leukocyte adhesion glycoprotein p150 95 alpha chain, Leukocyte adhesion receptor p150 95
Catalog No.:	SM1834F
Quantity:	0.1 mg
Concentration:	0.1 mg/ml
Background:	CD11c is a 150kD glycoprotein expressed by macrophages, monocytes, granulocytes and NK cells. The antigen is also expressed by hairy cell leukaemia cells. Ligands for CD11c are ICAM-1, iC3b, and fibrinogen. The molecule has a role in mediating adherence of granulocytes and monocytes to endothelium and fibrinogen.
Uniprot ID:	P20702
NCBI:	NP_000878.2
GeneID:	3687
Host / Isotype:	Mouse / IgG1
Clone:	BU15
Format:	State: Liquid purified IgG fraction containing 0.09% Sodium Azide and 1% BSA. Label: FITC – Fluorescein Isothiocyanate Isomer 1
Applications:	Flow Cytometry: Use 10 ul of neat-1/10 diluted antibody to label 10e6 cells in 100 ul. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	This antibody recognises the integrin alpha X subunit (CD11c). Species: Human. Cross reacts with Cynomolgus Monkey and Dog. Other species not tested.
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. This product is photosensitive and should be protected from light. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
General References:	1. Hogg, N. et al. (1986) The p150, 95 molecule is a marker of human mononuclear phagocytes: comparison with expression of class II molecules. Eur. J. Immunol. 16: 240 - 248. 2. Loike, J.D. et al. (1991) CD11c/CD18 on neutrophils recognizes a domain at the N terminus of the A alpha chain of fibrinogen. Proc. Natl. Acad. Sci. USA 88: 1044-1048. 3. Larson, R.S. and Springer, T.A. (1990) Structure and function of leukocyte integrins. Immunol. Rev. 114: 181-217. 4. Sanchez-Madrid, F. and Corbi, A.L. (1992) Leukocyte integrins: structure, function and regulation of their activity. Seminars Cell Biol. 3: 199-210.

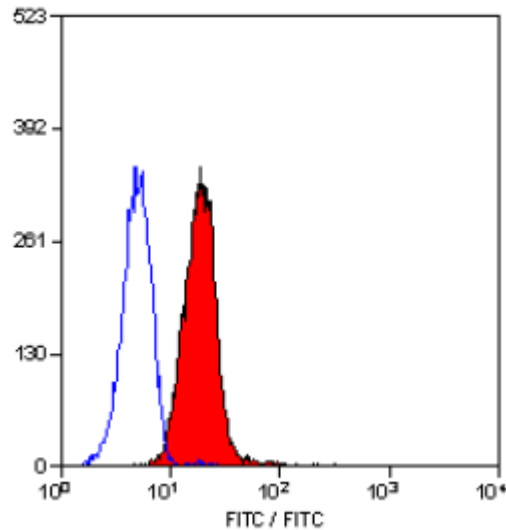
For research and in vitro use only. Not for diagnostic or therapeutic work.

Material Safety Datasheets are available at www.acris-antibodies.com or on request.

Antibody Hotline - Technical Questions - Antibody Location Service
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5. Yoshino, N. et al. (2000) Upgrading of flow cytometric analysis for absolute counts, cytokines and other antigenic molecules of Cynomolgus monkeys (*Macaca fascicularis*) by using anti-human cross-reactive antibodies. *Exp. Anim.* 49 (2): 97-110.
6. Trowald-Wigh, G. et al. (1993) Canine neutrophil adhesion proteins and Fc receptors in healthy dogs and dogs with adhesion protein deficiency, as studied by flow cytometry. *Vet. Immunol. Immunopathol.* 38: 297-310.

Pictures:



Staining of human peripheral blood granulocytes with MOUSE ANTI HUMAN CD11c-FITC (SM1834F).

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