

**FITC CONJUGATED MONOCLONAL ANTIBODY TO
HUMAN CD11B, CR3
clone Bear-1**



Catalog nr	HM2125F (lot number and expiry date are indicated on the label).
Description	<p>CD11b is an alpha chain integrin that is expressed as heterodimer noncovalently associated with CD18. CD11b is also designated as CR3, Mac-1, Mo-1 in integrin alphaM subunit and has a molecular weight of 165-170 kDa. The protein mediates PMN and monocytes adherence to endothelium and subsequently PMN extravasation to sites of inflammation.</p> <p>CD11b/CD18 interacts with both matrix and cell surface proteins including the complement component iC3b, extracellular matrix proteins and the third extracellular domain of CD54. CD11b is expressed on human NK-cells, monocytes, granulocytes, T-cells, B-cells and dendritic cells. After activation the expression is upregulated.</p> <p>Bear-1 reacts with the CD11b alpha chain of the CD11b/CD18 (p165, 95) integrin heterodimer complex.</p>
Aliases	CR3, Mac-1, Mo-1 in integrin alphaM
Species	Mouse IgG ₁
Formulation	1 ml (100 µg/ml) 0.2 µm filtered FITC conjugated antibody solution in PBS, containing 1% bovine serum albumin and 0.02% sodium azide.
Application	The antibody can be used for flow cytometry and immunohistology on frozen sections. The antibody is not useful for immunohistology on paraffin sections.
Use	For immunohistology and flow cytometry dilutions to be used depend on detection system applied. It is recommended that users test the reagent and determine their own optimal dilutions. The typical starting working dilution is 1:10.
Storage and stability	Product should be stored at 4°C. Under recommended storage conditions, product is stable for one year.
Precautions	For research use only. Not for use in or on humans or animals or for diagnostics. It is the responsibility of the user to comply with all local/state and Federal rules in the use of this product. Hycult Biotech is not responsible for any patent infringements that might result with the use of or derivation of this product.
References	<ol style="list-style-type: none">1. Keizer, G et al; Biochemical and functional characteristics of the human leukocyte membrane antigen family LFA-1, Mo-1 and p150,95. <i>Eur J Immunol</i> 1985, <i>15</i>: 11422. Watanabe, A et al ; Effects of anti-CD11a, anti-CD11b and anti CD18 on histamine release from human basophils primed with IL-3. <i>Int Arch Allergy Immunol</i> 1992, <i>98</i>: 308
Also available	<p>HM2094 Monoclonal antibody against Human C5aR, clone S5/1 HM2095 Monoclonal antibody against Human C5aR, clone W17/1 HM2107 Monoclonal antibody against Human CD35 (CR1), clone 31R HM2125 Monoclonal antibody against Human CD11b (CR3), clone Bear-1</p>