

AM00640PU-N**Monoclonal Antibody to CD11b - Purified**

Alternate names:	CD11 antigen-like family member B, CR-3 alpha chain, CR3A, Cell surface glycoprotein MAC-1 subunit alpha, ITGAM, Integrin alpha-M, Leukocyte adhesion receptor MO1, MAC1, Neutrophil adherence receptor
Quantity:	0.2 mg
Concentration:	0.2 mg/ml (prior to lyophilization)
Background:	CD11b is implicated in various adhesive interactions of monocytes, macrophages and granulocytes as well as in mediating the uptake of complement coated particles. It is identical to CR3, the receptor for the iC3b fragment of the third complement component. It probably recognizes the RGD peptide in C3b. CD11b is also a receptor for fibrinogen, factor X and ICAM1. It recognizes P1 and P2 peptides of fibrinogen gamma chain. The Mac1 CD11b antigen is present on macrophages, granulocytes, natural killer cells, blood monocytes. CD11b is expressed on 8% spleen cells, 44% bone marrow cells and less than 1% of thymocytes and is commonly used as a microglial marker in nervous tissue.
Uniprot ID:	P11215
NCBI:	NP_000623.2
GenelD:	3684
Host / Isotype:	Mouse / IgG1
Recommended Isotype Controls:	SM10P (for use in human samples), AM03095PU-N
Clone:	BEAR-1
Immunogen:	Purified Human monocytes.
Format:	State: Lyophilized purified Ig fraction from Ascites Buffer System: PBS Preservatives: None Stabilizers: 1 mg/ml BSA Reconstitution: Restore with 1 ml of distilled water
Applications:	Fluorescence Microscopy or Flow Cytometry: 2 µg / 5x10 ⁵ cells/test. Immunohistochemistry: 1/25-1/50. Only suitable on cryostat sections or cell smears. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	Reacts with monocytes, polynuclear and null cells. The recognized structure is the alpha chain of a heterodimer glycoprotein of Mw 165kD (alpha chain) and 95kD (beta chain).
Species Reactivity:	Tested: Human.
Add. Information:	Centrifuge before opening to ensure complete recovery of vial contents.

Storage:

Store lyophilized at 2-8°C for 6 months or at -20°C long term.
After reconstitution store the antibody undiluted at 2-8°C for one month
or (in aliquots) at -20°C long term.
Avoid repeated freezing and thawing.
Shelf life: one year from despatch.

General Readings:

1. Keizer GD, Borst J, Figdor CG, Spits H, Miedema F, Terhorst C, et al. Biochemical and functional characteristics of the human leukocyte membrane antigen family LFA-1, Mo-1 and p150,95. Eur J Immunol. 1985 Nov;15(11):1142-8. PubMed PMID: 2933266.