

anti-Human CD11b/C3 Monoclonal Antibody

Mouse anti Human CD11b/C3

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA77500	Mouse (Balb/c)	Human	Immunoprecipitation, Flow Cytometry, Functional Assay

PRODUCT SYNONYMS

CD11b/C3; Monoclonal Antibody; Mouse anti Human CD11b/C3; anti-CD11b/C3 antibody

PRODUCT SPECIFICATIONS

Host	Mouse (Balb/c)
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1
Clone Number	Bear-1
Specificity	Bear-1 reacts with the CD11b alpha chain of the CD11b/CD18. Bear-1 precipitated a 165-95-kDa complex and is found to be similar to Mo-1 (monocyte differentiation antigen).
Form/Format	Each vial contains 100 ul 1 mg/ml purified monoclonal antibody in PBS containing 0.09% sodium azide.
Applicable Applications for anti-CD11b/C3 antibody	IP (Immunoprecipitation), FCM/FACS (Flow Cytometry)
Source Note	Bear-1 is a Mouse monoclonal IgG1 antibody derived by fusion of SP2/0 Mouse myeloma cells with spleen cells from a BALB/c Mouse immunized with with purified Human monocytes.
Preparation and Storage	The antibody is shipped at ambient temperature and may be stored at +4°C. For prolonged storage prepare appropriate aliquots and store at or below -20°C. Prior to use, an aliquot is thawed slowly in the dark at ambient temperature, spun down again and used to prepare working dilutions by adding sterile phosphate buffered saline (PBS, pH 7.2). Repeated thawing and freezing should be avoided. Working dilutions should be stored at +4°C, not refrozen, and preferably used the same day. If a slight precipitation occurs upon storage, this should be removed by centrifugation. It will not affect the performance or the concentration of the product.

ADDITIONAL INFORMATION

Related Product Information for anti-CD11b/C3 antibody	Integrin alpha M (ITGAM) is one protein subunit that forms the heterodimeric integrin alpha-M beta-2 (alphaMbeta2) molecule, also known as macrophage-1 antigen (Mac-1) or complement receptor 3 (CR3). ITGAM is also known as CR3A, and cluster of differentiation molecule 11B (CD11B). The second chain of alphaMbeta2 is the common integrin beta2 subunit known as CD18, and integrin alphaMbeta2 thus belongs to the beta2 subfamily (or leukocyte) integrins. alphaMbeta2 is expressed on the surface of many leukocytes involved in the innate immune system, including monocytes, granulocytes, macrophages, and natural killer cells. It mediates inflammation by regulating leukocyte adhesion and migRation and has been impliCated in several immune processes such as phagocytosis, cell-mediated cytotoxicity, chemotaxis and cellular activation. It is involved in the complement system due to its capacity to bind inactivated complement component 3b (iC3b).
Product Categories/Family for anti-CD11b/C3 antibody	CD markers; Cell adhesion
References	G.D. Keizer, J. Borst, C.G. Figdor, H. Spits, F. Miedema, C. Terhorst and J.E. de Vries. Biochemical and functional characteristics of the Human leukocyte membrane antigen family LFA-1, Mo-1 and p150,95. Eur. J. Immunol. 15: 1142-1147, 1985.

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/cd11b-c3-antibody-clone-bear-1-immunoprecipitation-flow-cytometry-elisa/77500>