

Mouse anti-Human CD11b Monoclonal Antibody | anti-CD11b antibody

Mouse anti-Human CD11b, PE Conjugated mAb

CATALOG # AAA266842	HOST Mouse	REACTIVITY Human	APPLICATIONS Immunofluorescence, Flow Cytometry, Functional Assay
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PRODUCT SYNONYMS

CD11b; Monoclonal Antibody; Mouse anti-Human CD11b; PE Conjugated mAb; anti-CD11b antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1
Clone Number	4ALM2; 1.6.11
Form/Format	Phosphate-buffered solution, pH 7.4, containing 0.09% sodium azide
Sequence Length	920
Applicable Applications for anti-CD11b antibody	IF (Immunofluorescence), FCM/FACS (Flow Cytometry)
Experimental Methods	1.Take 100mul peripheral blood anticoagulated by EDTA and add to the bottom of 5ml tube; 2.Add 10mul labeled antibody to the bottom of flow tube mixing with the whole blood, incubate for 20 minutes at room temperature away from light; 3.Add 2 ml1×RBC lysing buffer, incubate for 10 minutes away from light after mixing, dissolve red blood cells (recommended: RBC lysing Solution 10×); 4.Sample tube is set to 1000 rpm centrifugation for 5 minutes, discard the supernatant; 5.Add 2 ml PBS wash buffer to resuspend the cells, then1000 rpm centrifugation for 5 minutes, discard the supernatant; 6.Add 0.5 ml PBS wash buffer to resuspend the cells and detect by flow cytometry (sample should be determined on the day on the machine and can also be added fixation overnight at 4 degree C then measured). [PBS wash buffer: PBS +1% FBS +0.1% NaN3] [Cell fixation: 2% formaldehyde solution]
Preparation and Storage	Store at 4 degree C. DO NOT FREEZE. LIGHT SENSITIVE MATERIAL.

ADDITIONAL INFORMATION

Related Product Information for anti-CD11b antibody	4ALM2/1.6.11 reacts with CD11b, a member of the integrin a chain family with 165 kDa MW. which is expressed on NK cells, monocytes, granulocytes and subsets of T and B cells. It associates with CD18 to form CD11b/CD18 complex.The cellular function of CD11b is on neutrophil and monocyte interactions with stimulated endothelium; Phagocytosis of iC3b or IgG coated particles as a receptor; Chemotaxis and apoptosis.* CD11b is absent in Leukocyte Adhesion Deficiency (LAD-1) patients who have major problems with bacterial infections.This clone is cross reactive with non-human primate.
References	1. Ling NR et al., eds. (1987) Leucocyte Typing III: White Cell Differentiation Antigens, Oxford University Press, New York. 303-334 2. Petty HR nd Todd RF. (1996) Immunol. Today 17:209 3. Springer TA (1994) Cell 76:301 4. Stewart M et al (1995) Curr Opin Cell Biol 7:690.

NCBI AND UNIPROT INFORMATION

NCBI GI #	1616950
NCBI GeneID	397459
Molecular Weight	102,441 Da
NCBI Official Full Name	CD11b, partial
NCBI Official Symbol	ITGAM
NCBI Official Synonym Symbols	CD11B
NCBI Protein Information	integrin alpha-M
UniProt Protein Name	CD11b
UniProt Gene Name	CD11b

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-antibody-clone-4alm2-1-6-11-immunofluorescence-flow-cytometry-elisa/266842>