

Mouse anti-Human CD11c Monoclonal Antibody | anti-CD11c antibody

Monoclonal Antibody to CD11c (Clone: ABM4C58)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA78261	Mouse	Human	Flow Cytometry, Functional Assay, Immunohistochemistry

PRODUCT SYNONYMS

CD11c; Monoclonal Antibody; Monoclonal Antibody to CD11c (Clone: ABM4C58); ITGAX; CD11C; CD11 antigen-like family member C; Leu M5; Leukocyte adhesion glycoprotein p150; 95 alpha chain; Leukocyte adhesion receptor p150; 95; Antibody to CD11c; Anti-CD11c Antibody; CD11c Antibody; anti-CD11c antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG2b Kappa
Clone Number	ABM4C58
Purity/Purification	Purified Protein G Chromatography
Form/Format	25 ug in 50 ul/100 ug in 200 ul PBS containing 0.05% BSA and 0.05% sodium azide. Sodium azide is highly toxic.
Sequence Length	1163
Applicable Applications for anti-CD11c antibody	FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry)
Immunogen Information	A partial length recombinant CD11c protein (amino acids 620-835) was used as the immunogen for this antibody.
Antigen	CD11c
Preparation and Storage	Store the antibody at 4 degree C, stable for 6 months. For long-term storage, store at -20 degree C. Avoid repeated freeze and thaw cycles.

IMAGES



IHC (Immunohistochemistry)

Fig.2: Immunohistochemical analysis of CD11c in human Tonsil tissue using CD11c antibody (Clone: ABM4C58) at 5 ug/ml.



FCM/FACS (Flow Cytometry)

Fig-1: Cell surface flow analysis of hCD11c on human PBMCs using 1 ug/ 10⁶ cells. Green represents isotype control ; red represents anti-hCD11c antibody. Goat anti-mouse FITC conjugated secondary antibody was used. (Cells were incubated with primary antibody for 30 min. then washed twice with FLOW Staining buffer by centrifuging at 1000 rpm for 5 min, followed by 30 min incubation with conjugated secondary antibody. Data acquisition was done after washing twice with FLOW staining buffer).

ADDITIONAL INFORMATION

Related Product Information for anti-CD11c antibody	CD11c/CD18 (p150/95, or complement receptor 4, CR4) is a monocyte/macrophage-enriched integrin that has been reported to bind to a variety of ligands. These include cell surface proteins (LPS, ICAM-1, ICAM-2, ICAM-4 and VCAM-1), extracellular matrix proteins (collagen I), and soluble ligands (iC3b, heparin and fibrinogen). It is expressed in macrophages, monocytes, granulocytes, subsets of T and B cells, and dendritic cells. CD11c functions as a cell surface receptor for numerous soluble factors and proteins. The interaction mediates leukocyte interactions with other cell types and is a signal transducing receptor. It is found primarily on myeloid cells, where its expression is regulated both during differentiation and during monocyte maturation into tissue macrophages.
Product Categories/Family for anti-CD11c antibody	Antibodies; Cancer Marker

NCBI AND UNIPROT INFORMATION

NCBI GI #	146345441
NCBI GeneID	3687
UniProt Accession #	P20702; Q8IVA6
Molecular Weight	127,829 Da
NCBI Official Full Name	Integrin alpha-X
NCBI Official Synonym Full Names	integrin subunit alpha X
NCBI Official Symbol	ITGAX
NCBI Official Synonym Symbols	CD11C; SLEB6
NCBI Protein Information	integrin alpha-X
UniProt Protein Name	Integrin alpha-X
UniProt Gene Name	ITGAX
UniProt Synonym Gene Names	CD11C

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/cd11c-antibody-clone-abm4c58-flow-cytometry-immunohistochemistry-elisa/78261>