

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

CD11c (Dendritic Cell Marker)

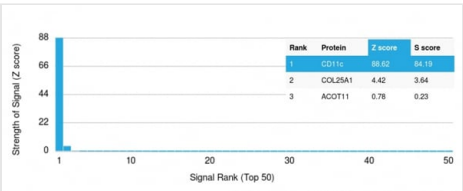
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA214660	Mouse	Human	Immunohistochemistry

PRODUCT SYNONYMS

CD11c; Monoclonal Antibody; CD11c (Dendritic Cell Marker); CD11 antigen-like family member C; Complement component 3 receptor 4 subunit; Integrin alpha-X; integrin; alpha X (antigen CD11C (p150); alpha polypeptide); Leu M5 alpha subunit; Leukocyte adhesion glycoprotein p150 95 alpha chain; Myeloid membrane antigen alpha subunit; p150/95; anti-CD11c antibody

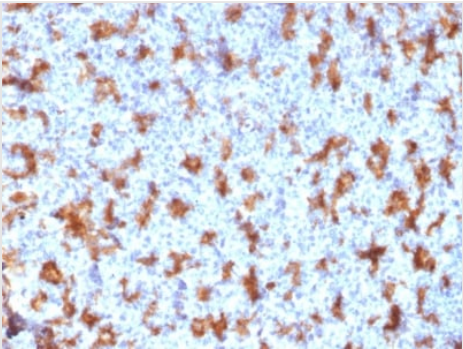
PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1, kappa
Clone Number	ITGAX/2507
Specificity	Recognizes a protein of 145kDa, identified as CD11c. CD11c (ITGAX), a member of the leukointegrin family, shares the same beta subunit with other members of the leukocyte adhesion molecule family, which includes CD11a (LFA-1), CD11b (MAC-1) and CD11d (ITGAD), but has a unique alpha chain. CD11c has been shown to play a role in phagocytosis, cell migration, and cytokine production by monocytes/macrophages as well as induction of T-cell proliferation by Langerhans cells. CD11c is expressed prominently on the plasma membranes of monocytes, tissue macrophages, NK cells, and most dendritic cells (DCs). A lower level of expression is also observed on neutrophils as a result of its high level of expression on most DCs. An antibody to CD11c may aid in identification of lesions with histiocytic origin. It may also been used as a marker for hairy cell leukemia in paraffin-embedded tissues.
Form/Format	200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide.
Sequence Length	1163
Applicable Applications for anti-CD11c antibody	IHC (Immunohistochemistry)
Immunogen	Recombinant fragment of human ITGAX protein (around aa 637-827)
Cellular Localization	Cell Surface
Hu-chromosome Location	16p11.2
Positive Control	THP-1 cells. Tonsil or Lymph Node
Preparation and Storage	Antibody with azide - store at 2 to 8°C. Non-hazardous. No MSDS required.

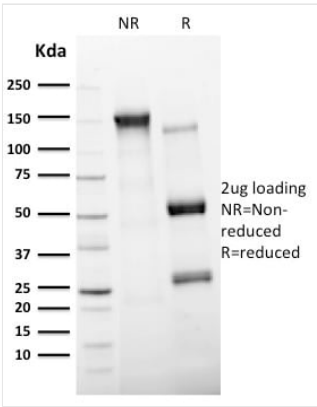


Application Data

Analysis of Protein Array containing >19, 000 full-length human proteins using CD11c Mouse Monoclonal Antibody (ITGAX/2507) Z- and S- Score: The Z-score represents the strength of a signal that a monoclonal antibody (MAb) (in combination with a fluorescently-tagged anti-IgG secondary antibody) produces when binding to a particular protein on the HuProt™ array. Z-scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If targets on HuProt™ are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD's) between the Z-score. S-score therefore represents the relative target specificity of a MAb to its intended target. A MAb is considered to be specific to its intended target, if the MAb has an S-score of at least 2.5. For example, if a MAb binds to protein X with a Z-score of 43 and to protein Y with a Z-score of 14, then the S-score for the binding of that MAb to protein X is equal to 29.



IHC (Immunohistochemistry)
Formalin-fixed, paraffin-embedded human Tonsil stained with CD11c Mouse Monoclonal Antibody (ITGAX/2507).



SDS-PAGE
SDS-PAGE Analysis Purified CD11c Mouse Monoclonal Antibody (ITGAX/2507).Confirmation of Integrity and Purity of Antibody.

ADDITIONAL INFORMATION

References	Nicolaou, F., et al. 2003. CD11c gene expression in hairy cell leukemia is dependent upon activation of the proto-oncogenes Ras and JunD. Blood 101: 4033-4041.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	34452173
NCBI GeneID	3687
NCBI Accession #	NP_000878.2
NCBI GenBank Nucleotide #	NM_000887.4
UniProt Accession #	P20702; Q8IVA6
Molecular Weight	145kDa
NCBI Official Full Name	integrin alpha-X isoform 2
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-itgax-2507-immunohistochemistry-elisa/214660>