

Mouse CD11c Monoclonal Antibody | anti-CD11c antibody

CD11c (Dendritic Cell Marker)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA214404	Mouse	Human. Others not known.	Immunohistochemistry, Immunofluorescence, Flow Cytometry, Functional Assay

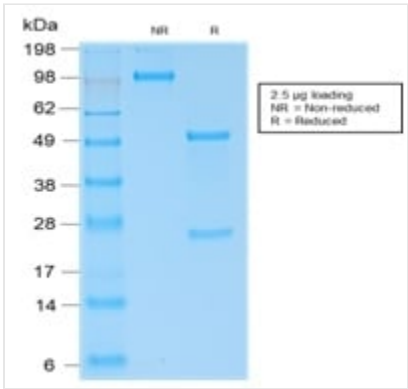
PRODUCT SYNONYMS

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

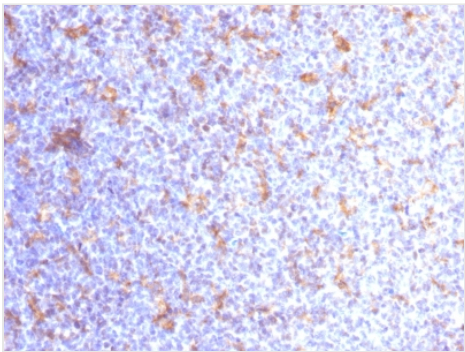
PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human. Others not known.
Clonality	Monoclonal
Isotype	IgG2b
Clone Number	ITGAX/1284
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. Also available WITHOUT BSA & azide at 1.0mg/ml.
Sequence Length	1163
Applicable Applications for anti-CD11c antibody	IHC (Immunohistochemistry), IF (Immunofluorescence), FCM/FACS (Flow Cytometry)
Immunogen	Recombinant human ITGAX protein fragment (aa 637-827)
Cellular Localization	Cell Surface
Hu-chromosome Location	16p11.2
Positive Control	Human dendritic cells. Human lymph nodes and tonsils.
Preparation and Storage	Antibody with azide - store at 2 to 8 degree C. Antibody without azide - store at -20 to -80 degree C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

IMAGES



SDS-PAGE
SDS-PAGE Analysis of Purified Kappa Light Chain Rabbit Recombinant Monoclonal (KLC2289R).



IHC (Immunohistochemistry)
Formalin-fixed, paraffin-embedded human Tonsil stained with CD11c Monoclonal Antibody (ITGAX/1284).

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.