

CD11c (Dendritic Cell Marker) Antibody - With BSA and Azide

Mouse Monoclonal Antibody [Clone ITGAX/1243] Catalog # AH11609

Product Information

Application IHC, IF, FC
Primary Accession P20702
Other Accession 3687, 248472
Reactivity Human
Host Mouse
Clonality Monoclonal

Isotype Mouse / IgG, kappa

Clone Names ITGAX/1243 Calculated MW 127829

Additional Information

Gene ID 3687

Other Names Integrin alpha-X, CD11 antigen-like family member C, Leu M5, Leukocyte

adhesion glycoprotein p150, 95 alpha chain, Leukocyte adhesion receptor

p150, 95, CD11c, ITGAX, CD11C

Application Note IHC~~1:100~500 IF~~1:50~200 FC~~1:10~50

Storage Store at 2 to 8°C.Antibody is stable for 24 months.

Precautions CD11c (Dendritic Cell Marker) Antibody - With BSA and Azide is for research

use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name ITGAX

Synonyms CD11C

Function Integrin alpha-X/beta-2 is a receptor for fibrinogen. It recognizes the

sequence G-P-R in fibrinogen. It mediates cell-cell interaction during

inflammatory responses. It is especially important in monocyte adhesion and

chemotaxis.

Cellular Location Membrane; Single-pass type I membrane protein.

Tissue Location Predominantly expressed in monocytes and granulocytes

Background

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.

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

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.