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

Mouse Monoclonal Antibody [Clone ITGAX/1242]
Catalog # AH11607

Specification

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

Application	**,2,3,4,**
Primary Accession	P20702
Other Accession	3687, 248472
Reactivity	**Human**
Host	**Mouse**
Clonality	**Monoclonal**
Isotype	**Mouse / IgG, kappa**
Calculated MW	**145kDa KDa**

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

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.

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

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

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

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

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

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