

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	IHC, IF, FC
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

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.

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

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 Cytometry](#)
- [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 be 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