

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

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

## Product Information

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<b>Application</b>	IHC, IF, FC
<b>Primary Accession</b>	<a href="#">P20702</a>
<b>Other Accession</b>	<a href="#">3687</a> , <a href="#">248472</a>
<b>Reactivity</b>	Human
<b>Host</b>	Mouse
<b>Clonality</b>	Monoclonal
<b>Isotype</b>	Mouse / IgG, kappa
<b>Clone Names</b>	ITGAX/1242
<b>Calculated MW</b>	127829

## Additional Information

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<b>Gene ID</b>	3687
<b>Other Names</b>	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
<b>Application Note</b>	IHC~~1:100~500 IF~~1:50~200 FC~~1:10~50
<b>Storage</b>	Store at 2 to 8°C.Antibody is stable for 24 months.
<b>Precautions</b>	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

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<b>Name</b>	ITGAX ( <a href="#">HGNC:6152</a> )
<b>Synonyms</b>	CD11C
<b>Function</b>	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. Functions as a receptor of the erythrocyte-specific adhesion molecule ICAM4 and mediates erythrophagocytosis (PubMed: <a href="#">16985175</a> ).
<b>Cellular Location</b>	Cell membrane; Single-pass type I membrane protein  Predominantly expressed in monocytes and granulocytes

## Tissue Location

## Background

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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

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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'.