

**Anti-CD11c (Dendritic Cell Marker) Antibody**  
**Mouse Monoclonal Antibody**  
**Catalog # AH13329****Specification**

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**Anti-CD11c (Dendritic Cell Marker) Antibody - Product Information**

Application	IHC-P, IF, FC
Primary Accession	<a href="#">P20702</a>
Other Accession	<a href="#">248472</a>
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Isotype	Mouse / IgG2b
Calculated MW	127829

**Anti-CD11c (Dendritic Cell Marker) Antibody - Additional Information****Gene ID** 3687**Other Names**

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

**Application Note**

<span class = "dilution\_IHC-P">IHC-P ~ ~ N/A</span><br \><span class = "dilution\_IF">IF ~ ~ 1:50 ~ 200</span><br \><span class = "dilution\_FC">FC ~ ~ 1:10 ~ 50</span>

**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.

**Storage**

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

**Precautions**

Anti-CD11c (Dendritic Cell Marker) Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

**Anti-CD11c (Dendritic Cell Marker) Antibody - 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**

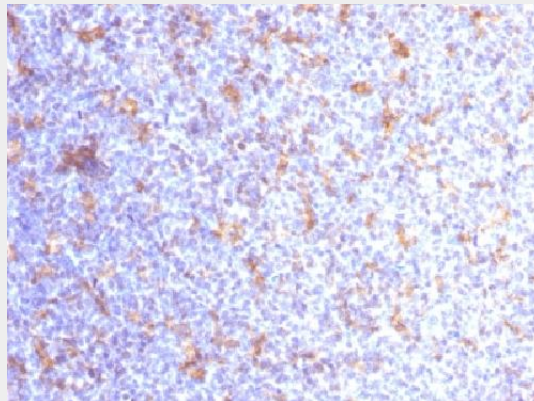
Predominantly expressed in monocytes and granulocytes

### **Anti-CD11c (Dendritic Cell Marker) Antibody - 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](#)

### **Anti-CD11c (Dendritic Cell Marker) Antibody - Images**



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

### **Anti-CD11c (Dendritic Cell Marker) Antibody - 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.