

**ITGAX/CD11c Antibody (N-term)**  
**Mouse Monoclonal Antibody (Mab)**  
**Catalog # AM2013b**

**Specification**

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**ITGAX/CD11c Antibody (N-term) - Product Information**

Application	WB,E
Primary Accession	<a href="#">P20702</a>
Other Accession	<a href="#">NP_000878.2</a>
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Calculated MW	127829
Antigen Region	246-274

**ITGAX/CD11c Antibody (N-term) - 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, CD11c, ITGAX, CD11C

**Target/Specificity**

This ITGAX/CD11c antibody is generated from mice immunized with a KLH conjugated synthetic peptide between 246-274 amino acids from the N-terminal region of human ITGAX/CD11c.

**Dilution**

WB~~1:500~1000

**Format**

Purified monoclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein G column, followed by dialysis against PBS.

**Storage**

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

ITGAX/CD11c Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

**ITGAX/CD11c Antibody (N-term) - 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**

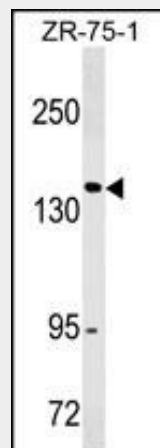
Predominantly expressed in monocytes and granulocytes

**ITGAX/CD11c Antibody (N-term) - 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](#)

**ITGAX/CD11c Antibody (N-term) - Images**



ITGAX/CD11c Antibody (N-term) (Cat. #AM2013b) western blot analysis in ZR-75-1 cell line lysates (35µg/lane). This demonstrates the ITGAX/CD11c antibody detected the ITGAX/CD11c protein (arrow).

**ITGAX/CD11c Antibody (N-term) - Background**

This gene encodes the integrin alpha X chain protein. Integrins are heterodimeric integral membrane proteins composed of an alpha chain and a beta chain. This protein combines with the beta 2 chain (ITGB2) to form a leukocyte-specific integrin referred to as inactivated-C3b (iC3b) receptor 4 (CR4). The alpha X beta 2 complex seems to overlap the properties of the alpha M beta 2 integrin in the adherence of neutrophils and monocytes to stimulated endothelium cells, and in the phagocytosis of complement coated particles.

**ITGAX/CD11c Antibody (N-term) - References**

- Van Brussel, I., et al. J. Immunol. Methods 362 (1-2), 168-175 (2010) :  
Chen, X., et al. Proc. Natl. Acad. Sci. U.S.A. 107(33):14727-14732(2010)  
Lindsay, R.W., et al. J. Immunol. 185(3):1513-1521(2010)  
Kraus, T.S., et al. Am. J. Clin. Pathol. 134(2):271-277(2010)  
Quist, S.R., et al. Acta Derm. Venereol. 90(4):429-430(2010)