

ITGAX Antibody (C-term) Blocking Peptide
Synthetic peptide
Catalog # BP6986b**Specification**

ITGAX Antibody (C-term) Blocking Peptide - Product InformationPrimary Accession [P20702](#)**ITGAX Antibody (C-term) Blocking Peptide - 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

The synthetic peptide sequence used to generate the antibody [AP6986b](/products/AP6986b) was selected from the C-term region of human ITGAX. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

ITGAX Antibody (C-term) Blocking Peptide - 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 Antibody (C-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

ITGAX Antibody (C-term) Blocking Peptide - Images

ITGAX Antibody (C-term) Blocking Peptide - Background

ITGAX is 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 Antibody (C-term) Blocking Peptide - References

Bulloch,K., et.al., J. Comp. Neurol. 508 (5), 687-710 (2008)