

# Anti-CD11b ITGAM Rabbit Monoclonal Antibody

Catalog # ABO13604

# Anti-CD11b ITGAM Rabbit Monoclonal Antibody - Product Information

ApplicationWB, IHC, IF, ICC, IP, FCPrimary AccessionP11215HostRabbitIsotypeRabbitReactivityRabbit IgGClonalityHumanFormatLiquidDescriptionAnti-CD11b ITGAM Babbit Monoclonal Antibody

Anti-CD11b ITGAM Rabbit Monoclonal Antibody . Tested in WB, IHC, ICC/IF, IP, Flow Cytometry applications. This antibody reacts with Human.

## Anti-CD11b ITGAM Rabbit Monoclonal Antibody - Additional Information

Gene ID 3684

**Other Names** Integrin alpha-M, CD11 antigen-like family member B, CR-3 alpha chain, Cell surface glycoprotein MAC-1 subunit alpha, Leukocyte adhesion receptor MO1, Neutrophil adherence receptor, CD11b, ITGAM, CD11B, CR3A

Calculated MW 127179 MW KDa

Application Details WB 1:500-1:2000<br>IHC 1:50-1:200<br>ICC/IF 1:50-1:200<br>IP 1:50<br>FC 1:50

Subcellular Localization Membrane; Single-pass type I membrane protein.

**Tissue Specificity** Predominantly expressed in monocytes and granulocytes.

**Contents** Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.

Immunogen A synthesized peptide derived from human CD11b

Purification Affinity-chromatography

Storage

Store at -20°C for one year. For short term storage and frequent use, store at 4°C for



up to one month. Avoid repeated freeze-thaw cycles.

# Anti-CD11b ITGAM Rabbit Monoclonal Antibody - Protein Information

Name ITGAM

Synonyms CD11B, CR3A

Function

Integrin ITGAM/ITGB2 is implicated in various adhesive interactions of monocytes, macrophages and granulocytes as well as in mediating the uptake of complement-coated particles and pathogens (PubMed:<a href="http://www.uniprot.org/citations/20008295" target="\_blank">20008295</a>, PubMed:<a href="http://www.uniprot.org/citations/9558116" target="\_blank">9558116</a>). It is identical with CR-3, the receptor for the iC3b fragment of the third complement component. It probably recognizes the R-G-D peptide in C3b. Integrin ITGAM/ITGB2 is also a receptor for fibrinogen, factor X and ICAM1. It recognizes P1 and P2 peptides of fibrinogen gamma chain. Regulates neutrophil migration (PubMed:<a href="http://www.uniprot.org/citations/28807980" target="\_blank">28807980</a>). In association with beta subunit ITGB2/CD18, required for CD177-PRTN3-mediated activation of TNF primed neutrophils (PubMed:<a href="http://www.uniprot.org/citations/21193407" target="\_blank">21193407</a>). May regulate phagocytosis-induced apoptosis in extravasated neutrophils (By similarity). May play a role in mast cell development (By similarity). Required with TYROBP/DAP12 in microglia to control production of microglial superoxide ions which promote the neuronal apoptosis that occurs during brain development (By similarity).

#### **Cellular Location**

Cell membrane; Single-pass type I membrane protein. Membrane raft; Single-pass type I membrane protein

## **Tissue Location**

Predominantly expressed in monocytes and granulocytes (PubMed:1346576). Expressed in neutrophils (at protein level) (PubMed:21193407).

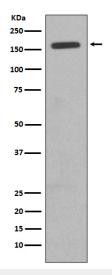
## Anti-CD11b ITGAM Rabbit Monoclonal Antibody - Protocols

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

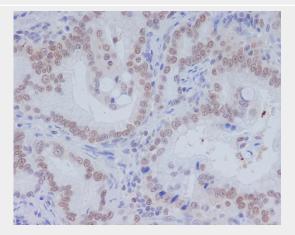
- <u>Western Blot</u>
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- <u>Cell Culture</u>

## Anti-CD11b ITGAM Rabbit Monoclonal Antibody - Images





Western blot analysis of CD11b expression in TF1 cell lysate.



Immunohistochemical analysis of paraffin-embedded human colon carcinoma, using CD11b Antibody.