

### CD11b Rabbit mAb

**Catalog # AP74982** 

## **Specification**

### CD11b Rabbit mAb - Product Information

Application WB, IP
Primary Accession P05555
Reactivity Mouse
Host Rabbit

Clonality Monoclonal Antibody

Calculated MW 127481

### CD11b Rabbit mAb - Additional Information

**Other Names** 

Itgam

**Dilution** 

WB~~1/500-1/1000

IP~~N/A

### **Format**

50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40%Glycerol, 0.01% sodium azide and 0.05% BSA.

### **Storage**

Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

## CD11b Rabbit mAb - Protein Information

# Name Itgam

### **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 (By similarity). 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. In association with beta subunit ITGB2/CD18, required for CD177-PRTN3-mediated activation of TNF primed neutrophils (By similarity). 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 (PubMed:<a href="http://www.uniprot.org/citations/18685038" target="\_blank">18685038</a>).

### **Cellular Location**

Cell membrane; Single-pass type I membrane protein {ECO:0000250|UniProtKB:P11215}. Membrane raft {ECO:0000250|UniProtKB:P11215}; Single-pass type I membrane protein



# {ECO:0000250|UniProtKB:P11215}

## **Tissue Location**

Predominantly expressed in monocytes and granulocytes (PubMed:3887182, PubMed:8986723). Expressed in a subset of peritoneal mast cells (PubMed:9862668). Expressed in microglia (at protein level) (PubMed:18685038).

# CD11b Rabbit mAb - Protocols

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

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

# CD11b Rabbit mAb - Images

