

# CD11b Antibody

Rabbit mAb Catalog # AP90256

### **Product Information**

**Application** WB, IHC, IF, FC, ICC, IP, IHF

Primary Accession
Reactivity
Human
Clonality
Monoclonal

Other Names CR3A; MO1A; CD11B; MAC-1; MAC1A; SLEB6;

IsotypeRabbit IgGHostRabbitCalculated MW127179

## **Additional Information**

**Dilution** WB 1:500~1:2000 IHC 1:50~1:200 ICC/IF 1:50~1:200 IP 1:50 FC 1:50

**Purification** Affinity-chromatography

**Immunogen** A synthesized peptide derived from human CD11b

**Description** ITGAM, also named as CD11B and CR3A, belongs to the integrin alpha chain

family. It is implicated in various adhesive interactions of monocytes, macrophages and granulocytes as well as in mediating the uptake of complement-coated particles. ITGAM 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.

Storage Condition and Buffer Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium

azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term.

Avoid freeze / thaw cycle.

#### **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: 20008295,

PubMed: 9558116). 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:28807980). In association with beta subunit ITGB2/CD18, required for CD177-PRTN3-mediated activation of TNF primed neutrophils (PubMed:21193407). 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).

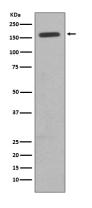
**Cellular Location** Cell membrane; Single-pass type I membrane protein. Membrane raft;

Single-pass type I membrane protein

**Tissue Location** Predominantly expressed in monocytes and granulocytes (PubMed:1346576).

Expressed in neutrophils (at protein level) (PubMed:21193407).

# **Images**



Western blot analysis of CD11b expression in TF1 cell lysate.

Image not found: 202311/AP90256-IHC.jpg

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

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.