

CD11b Antibody

Rabbit mAb Catalog # AP90256

Specification

CD11b Antibody - Product Information

Application WB, IHC, FC, ICC, IP

Primary Accession P11215
Clonality Monoclonal
Other Names

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

Isotype Rabbit IgG
Host Rabbit
Calculated MW 127179 Da

CD11b Antibody - Additional Information

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.
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.

CD11b Antibody - Protein Information

Name ITGAM

Synonyms CD11B, CR3A

Storage Condition and Buffer

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

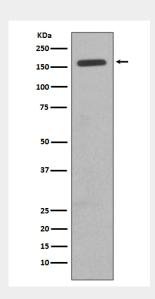
Predominantly expressed in monocytes and granulocytes (PubMed:1346576). Expressed in neutrophils (at protein level) (PubMed:21193407).

CD11b Antibody - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

CD11b Antibody - Images



Western blot analysis of CD11b expression in TF1 cell lysate.