

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

Liquid

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:18685038).

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](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

CD11b Rabbit mAb - Images

