

Integrin beta 1 Rabbit pAb

Catalog # AP53532

Product Information

Primary Accession	P05555
Host	Rabbit
Clonality	Polyclonal Antibody
Calculated MW	127481

Additional Information

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, CD11b, Itgam
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

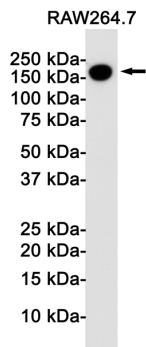
Protein Information

Name	Itgam {ECO:0000312 MGI:MGI:96607}
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, and factor X. 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. Integrin ITGAM/ITGB2 is also a receptor for ICAM1 ligand ensuring adhesion between stimulated neutrophils and stimulated endothelial cells (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)

Background

Swiss-Prot Acc.P05555.

Images



Western blot detection of CD11b in Raw264.7 cell lysates using CD11b Rabbit pAb(1:1000 diluted).Predicted band size:128KDa.Observed band size:170KDa.

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