

Rabbit anti-Human CD11b Polyclonal Antibody | anti-ITGAM antibody

CD11b Antibody (N-term)

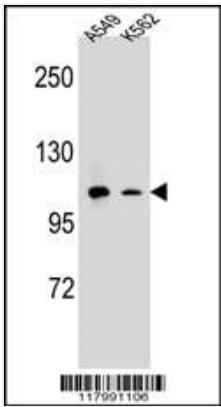
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA289464	Rabbit	Human	Western Blot, Flow Cytometry, Functional Assay, Immunohistochemistry, ELISA

PRODUCT SYNONYMS

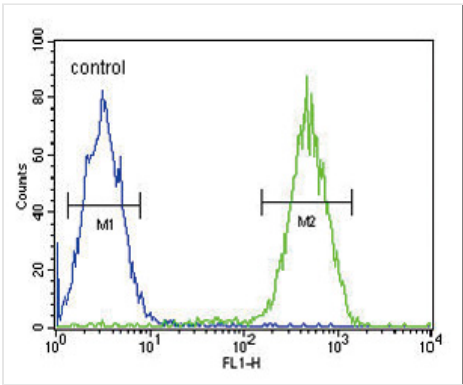
CD11b; Polyclonal Antibody; CD11b Antibody (N-term); Integrin alpha-M; CD11 antigen-like family member B; CR-3 alpha chain; Cell surface glycoprotein MAC-1 subunit alpha; Leukocyte adhesion receptor MO1; Neutrophil adherence receptor; ITGAM; CD11B; CR3A; anti-ITGAM antibody

PRODUCT SPECIFICATIONS

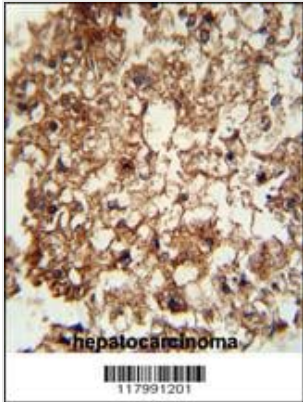
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This CD11b antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 253-282 amino acids from the N-terminal region of human CD11b.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.27 (varies by lot)
Sequence Positions	253-282
Sequence Length	1,153
Applicable Applications for anti-ITGAM antibody	WB (Western Blot), FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry), ELISA
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.



WB (Western Blot)
CD11b Antibody (N-term) western blot analysis in A549,K562 cell line lysates (35ug/lane).This demonstrates the CD11b antibody detected the CD11b protein (arrow).



FCM/FACS (Flow Cytometry)
CD11b Antibody (N-term) flow cytometric analysis of Jurkat cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



IHC (Immunohistochemistry)
CD11b antibody (N-term) immunohistochemistry analysis in formalin fixed and paraffin embedded human hepatocarcinoma followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the CD11b antibody (N-term) for immunohistochemistry. Clinical relevance has not been evaluated.

ADDITIONAL INFORMATION

Related Product Information for anti-ITGAM antibody	CD11b is the integrin alpha M chain. Integrins are heterodimeric integral membrane proteins composed of an alpha chain and a beta chain. This I-domain containing alpha integrin combines with the beta 2 chain (ITGB2) to form a leukocyte-specific integrin referred to as macrophage receptor 1 ('Mac-1'), or inactivated-C3b (iC3b) receptor 3 ('CR3'). The alpha M beta 2 integrin is important in the adherence of neutrophils and monocytes to stimulated endothelium, and also in the phagocytosis of complement coated particles.
Product Categories/Family for anti-ITGAM antibody	Immunology; Neuroscience; Signal Transduction
References	Gjelstrup, L.C., et al. J. Immunol. 185(7):4154-4168(2010) Bailey, S.D., et al. Diabetes Care 33(10):2250-2253(2010) Warchol, T., et al. DNA Cell Biol. (2010) In press : Fan, Y., et al. J Eur Acad Dermatol Venereol (2010) In press : Pliyev, B.K., et al. Biochem. Biophys. Res. Commun. 397(2):277-282(2010)

NCBI AND UNIPROT INFORMATION

NCBI GI #	88501734
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NCBI GeneID	3684
NCBI Accession #	NP_000623.2; NP_001139280.1
NCBI GenBank Nucleotide #	NM_000632.3
UniProt Accession #	P11215; Q4VAK0; Q4VAK1; Q4VAK2
Molecular Weight	127179
NCBI Official Full Name	integrin alpha-M isoform 2
NCBI Official Synonym Full Names	integrin, alpha M (complement component 3 receptor 3 subunit)
NCBI Official Symbol	ITGAM
NCBI Official Synonym Symbols	CR3A; MO1A; CD11B; MAC-1; MAC1A; SLEB6
NCBI Protein Information	integrin alpha-M
UniProt Protein Name	Integrin alpha-M
UniProt Gene Name	ITGAM
UniProt Synonym Gene Names	CD11B; CR3A
UniProt Entry Name	ITAM_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/cd11b-antibody-western-blot-flow-cytometry-immunohistochemistry-elisa/289464>