

Rat CD11b Monoclonal Antibody | anti-CD11b antibody

Anti-Ms CD11b FITC

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA128689	Rat	Mouse, Rabbit, Human, Non-human primates	Flow Cytometry, Functional Assay

PRODUCT SYNONYMS

CD11b; Monoclonal Antibody; Anti-Ms CD11b FITC; integrin subunit alpha M; Mac-1; Integrin alpha M; ITGAM; CR3A; MO1A; MAC1A; anti-CD11b antibody

PRODUCT SPECIFICATIONS

Host	Rat
Reactivity	Mouse, Rabbit, Human, Non-human primates
Clonality	Monoclonal
Isotype	IgG2b
Clone Number	M1/70
Specificity	The rat monoclonal antibody M1/70 detects an extracellular epitope of CD11b (integrin alphaM subunit), a type I transmembrane protein mainly expressed on monocytes/macrophages, granulocytes and NK-cells, which associates with CD18 to form Mac-1 integrin that plays important role in cell-cell interactions.
Purity/Purification	The purified antibody is conjugated with fluorescein isothiocyanate (FITC) under optimum conditions. The conjugate is purified by size-exclusion chromatography.
Form/Format	Phosphate buffered saline (PBS) solution with 15 mM sodium azide
Concentration	0.5 mg/ml (varies by lot)
Applicable Applications for anti-CD11b antibody	FCM/FACS (Flow Cytometry)
Immunogen	B10 mouse spleen cells enriched for T cells
Conjugation	FITC
Preparation and Storage	Store in the dark at 2-8 degree C. Do not freeze. Avoid prolonged exposure to light.

ADDITIONAL INFORMATION

Related Product Information for anti-CD11b antibody	CD11b (integrin alphaM subunit) is a 165-170 kDa type I transmembrane glycoprotein that non-covalently associates with integrin beta2 subunit (CD18); expression of the CD11b chain on the cell surface requires the presence of the CD18 antigen. CD11b/CD18 integrin (Mac-1, CR3) is highly expressed on NK cells, neutrophils, monocytes and less on macrophages. CD11b/CD18 integrin is implicated in various adhesive interactions of monocytes, macrophages and granulocytes, facilitating their diapedesis, as well as it mediates the uptake of complement coated particles, serving as a receptor for the iC3b fragment of the third complement component.
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NCBI AND UNIPROT INFORMATION

NCBI GeneID	16409
UniProt Accession #	G5E8F1; P05555
NCBI Official Synonym Full Names	integrin alpha M
NCBI Official Symbol	Itgam

NCBI Official Synonym Symbols	CR3; CR3A; MAC1; Cd11b; Ly-40; Mac-1; Mac-1a; CD11b/CD18; F730045J24Rik
NCBI Protein Information	integrin alpha-M

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://www.aaabiotech.com/monoclonal/cd11b-antibody-clone-m1-70-flow-cytometry-elisa/128689>