

Rabbit anti-Mouse CD11b Monoclonal Antibody | anti-Itgam antibody

CD11b Rabbit PolymAb

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA283080	Rabbit	Mouse	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

PRODUCT SYNONYMS

CD11b; Monoclonal Antibody; CD11b Rabbit PolymAb; CR3; CR3A; MAC1; Cd11b; Ly-40; Mac-1; Mac-1a; CD11b/CD18; F730045J24Rik; anti-Itgam antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Mouse
Clonality	Monoclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	PBS with 0.05% proclin300, 0.05% BSA, 50% glycerol, pH7.3.
Sequence	ECPQQESDIV FLIDGSGSIN NIDFQKMKEF VSTVMEQFKK SKTLFSLMQY SDEFRIHFTF NDFKRNPSPR SHVSPKQLN GRKTASGIR KVVRELFHKT NGARENAAKI LVVITDGEKF GDPLDYKDVI PEADRAGVIR YVIGVGNAFN KPQSRRELDI IASKPAGEHV FQVDNFEALN TIQNQLQEKI FAIEG
Applicable Applications for anti-Itgam antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Cross Reactivity	Mouse, Rat
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 143-337 of mouse CD11b (NP_032427.2-).
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.

IMAGES



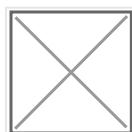
ICC (Immunocytochemistry)

Confocal imaging of RAW 264.7 cells using CD11b Rabbit PolymAb® (AAA283080, dilution 1:1200) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Objective: 100x.



WB (Western Blot)

Western blot analysis of various lysates using CD11b Rabbit PolymAb® (AAA283080) at 1:1000 dilution incubated overnight at 4°. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25 ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Negative control (NC): C2C12. Exposure time: 0.5s.



WB (Western Blot)

Western blot analysis of lysates from Rat spleen using CD11b Rabbit PolymAb® (AAA283080) at 1:1000 dilution incubated overnight at 4°. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25 ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 20s.

ADDITIONAL INFORMATION

Related Product Information for anti-Itgam antibody	Enables complement component C3b binding activity; heparan sulfate proteoglycan binding activity; and heparin binding activity. Contributes to cargo receptor activity. Involved in several processes, including central nervous system development; endocytosis; and positive regulation of neuron death. Acts upstream of or within several processes, including activated T cell proliferation; leukocyte migration; and microglia development. Located in external side of plasma membrane and nucleus. Is integral component of membrane. Part of integrin alphaM-beta2 complex. Is expressed in several structures, including central nervous system; heart; lymphatic vessel; thymus; and yolk sac. Human ortholog(s) of this gene implicated in lupus nephritis. Orthologous to human ITGAM (integrin subunit alpha M).
Product Categories/Family for anti-Itgam antibody	Signal Transduction; Tags & Cell Markers; Neuroscience; Stem Cells; Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	124956
NCBI GeneID	16409
UniProt Accession #	P05555; Q8CA73
Molecular Weight	Calculated MW: 127kDa Observed MW: 170kDa
UniProt Protein Name	Integrin alpha-M
UniProt Gene Name	Itgam
UniProt Entry Name	ITAM_MOUSE

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/monoclonal/cd11b-antibody-immunocytochemistry-immunofluorescence-western-blot-elisa/283080>