

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

CD11b Rabbit PolymAb

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA28592	Rabbit	Human	Western Blot, Immunohistochemistry, Immunofluorescence, Immunocytochemistry, ELISA

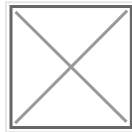
PRODUCT SYNONYMS

CD11b; Monoclonal Antibody; CD11b Rabbit PolymAb; CR3A; MO1A; CD11B; MAC-1; MAC1A; SLEB6; anti-ITGAM antibody

PRODUCT SPECIFICATIONS

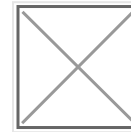
Host	Rabbit
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	PBS with 0.09% Sodium azide, 0.05% BSA, 50% glycerol, pH7.3.
Sequence	MALRVLLLT LTLCHGFNLD TENAMTFQEN ARGFGQSVVQ LQGSRVVVG A PQEIVAA NQR GSLYQCDYST GSCEPIRLQV PVEAVNMSLG LSLAATTSP
Applicable Applications for anti-ITGAM antibody	WB (Western Blot), IHC (Immunohistochemistry), IF (Immunofluorescence), ICC (Immunocytochemistry), ELISA
Application Notes	WB: 1:1000-1:6000 IHC-P: 1:200-1:800 IF/ICC: 1:200-1:800 ELISA: Recommended starting concentration is 1ug/mL. Please optimize the concentration based on your specific assay requirements.
Cross Reactivity	Human, Mouse, Rat
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 1-100 of human CD11b (NP_000623.2).
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.

IMAGES



ICC (Immunocytochemistry)

Confocal imaging of TF-1 cells using CD11b Rabbit PolymAb® (AAA28592, dilution 1:200) 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.



ICC (Immunocytochemistry)

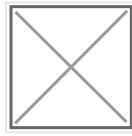
Confocal imaging of RAW 264.7 cells using CD11b Rabbit PolymAb® (AAA28592, dilution 1:200) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Objective: 100x.

**IHC (Immunohistochemistry)**

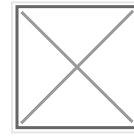
Immunohistochemistry analysis of paraffin-embedded Human colon tissue using CD11b Rabbit PolymAb® (AAA28592) at a dilution of 1:400 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.

**IHC (Immunohistochemistry)**

Immunohistochemistry analysis of paraffin-embedded Human esophagus tissue using CD11b Rabbit PolymAb® (AAA28592) at a dilution of 1:400 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.

**IHC (Immunohistochemistry)**

Immunohistochemistry analysis of paraffin-embedded Human esophagus tissue using CD11b Rabbit PolymAb® (AAA28592) at a dilution of 1:400 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.

**IHC (Immunohistochemistry)**

Immunohistochemistry analysis of paraffin-embedded Human colon tissue using CD11b Rabbit PolymAb® (AAA28592) at a dilution of 1:400 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.

ADDITIONAL INFORMATION

Related Product Information for anti-ITGAM antibody	This gene encodes 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. Multiple transcript variants encoding different isoforms have been found for this gene.
Product Categories/Family for anti-ITGAM antibody	Signal Transduction ; G protein signaling ; G-Protein-Coupled Receptors Signaling to MAPK Erk ; PI3K-Akt Signaling Pathway ; MAPK-Erk Signaling Pathway ; Cell Biology Developmental Biology ; Cell Adhesion ; Cytoskeleton ; Immunology Inflammation ; CDs ; Neuroscienc

NCBI AND UNIPROT INFORMATION

NCBI GI #	224831239
NCBI GeneID	3684/16409
NCBI Accession #	NP_001139280.1
NCBI GenBank Nucleotide #	NM_001145808.1
UniProt Accession #	P11215; P05555
Molecular Weight	Calculated MW: 127kDa Observed MW: 170kDa
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/monoclonal/cd11b-antibody-western-blot-immunohistochemistry-immunofluorescence-immunocytochemistry-elisa/28592>