

Rabbit CD63 Polyclonal Antibody | anti-CD63 antibody

CD63 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA321804	Rabbit	Human, Mouse, Rat	ELISA, Immunohistochemistry, Western Blot

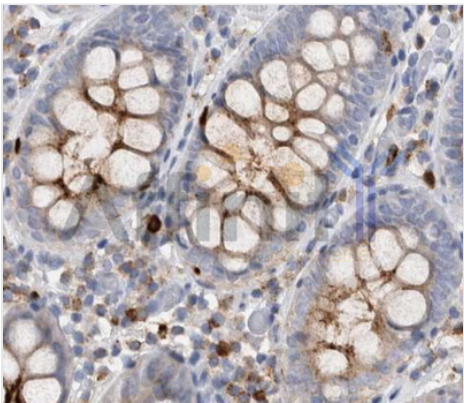
PRODUCT SYNONYMS

CD63; Polyclonal Antibody; CD63 Antibody; Lysosomal associated membrane protein 3; CD 63; CD63 antigen (melanoma 1 antigen); CD63 antigen; CD63 antigen melanoma 1 antigen; CD63 molecule; CD63_HUMAN; gp55; Granulophysin; LAMP 3; LAMP-3; LAMP3; LIMP; Lysosomal-associated membrane protein 3; Lysosome associated membrane glycoprotein 3; Mast cell antigen AD1; ME491; Melanoma 1 antigen; Melanoma associated antigen ME491; Melanoma associated antigen MLA1; Melanoma-associated antigen ME491; MGC72893; MLA 1; MLA1; NGA; Ocular melanoma associated antigen; Ocular melanoma-associated antigen; OMA81H; PTLGP40; Tetraspanin 30; Tetraspanin-30; Tspan 30; Tspan-30; TSPAN30; anti-CD63 antibody

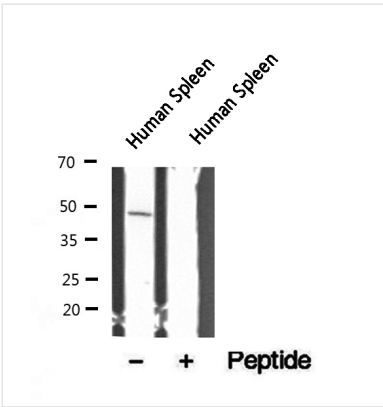
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	CD63 antibody detects endogenous levels of total CD63
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	238
Applicable Applications for anti-CD63 antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human CD63
Subcellular Location	Cell Membrane. Lysosome Membrane. Late Endosome Membrane. Also found in Weibel-Palade bodies of endothelial cells. Located in platelet dense granules.
Tissue Specificity	Detected in platelets (at protein level). Dysplastic nevi, radial growth phase primary melanomas, hematopoietic cells, tissue macrophages.
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IHC (Immunohiostchemistry)
Immunohistochemistry analysis of CD63 antibody in paraffin-embedded human lung carcinoma tissue.



WB (Western Blot)
Western blot analysis on Human Spleen lysate using CD63 antibody

ADDITIONAL INFORMATION

Related Product Information for anti-CD63 antibody	Function: Functions as cell surface receptor for TIMP1 and plays a role in the activation of cellular signaling cascades. Plays a role in the activation of ITGB1 and integrin signaling, leading to the activation of AKT, FAK/PTK2 and MAP kinases. Promotes cell survival, reorganization of the actin cytoskeleton, cell adhesion, spreading and migration, via its role in the activation of AKT and FAK/PTK2. Plays a role in VEGFA signaling via its role in regulating the internalization of KDR/VEGFR2. Plays a role in intracellular vesicular transport processes, and is required for normal trafficking of the PMEL luminal domain that is essential for the development and maturation of melanocytes. Plays a role in the adhesion of leukocytes onto endothelial cells via its role in the regulation of SELP trafficking. May play a role in mast cell degranulation in response to Ms4a2/FcεRI stimulation, but not in mast cell degranulation in response to other stimuli. Subunit Structure: Interacts with TIMP1 and ITGB1 and recruits TIMP1 to ITGB1 (PubMed:16917503, PubMed:24635319). Interacts with CD9. Identified in a complex with CD9 and ITGB3 (PubMed:19640571). Interacts with PMEL (PubMed:21962903). Interacts with KDR/VEGFR2; identified in a complex with ITGB1 and KDR/VEGFR2 and is required to recruit KDR to ITGB1 complexes (PubMed:23632027). Interacts with SYT7 (By similarity). Post-translational Modifications: Palmitoylated at a low, basal level in unstimulated platelets. The level of palmitoylation increases when platelets are activated by thrombin (in vitro). Similarity: Belongs to the tetraspanin (TM4SF) family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	383872447
NCBI GeneID	967
NCBI Accession #	NP_001244318.1
NCBI GenBank Nucleotide #	NM_001257389.1
UniProt Accession #	P08962; Q5TZP3; Q8N6Z9; Q9UCG6; F8VZE2
Molecular Weight	Observed: 25 kDa; 47 kDa Predicted: 26 kDa
NCBI Official Full Name	CD63 antigen isoform A
NCBI Official Synonym Full Names	CD63 molecule
NCBI Official Symbol	CD63
NCBI Official Synonym Symbols	MLA1; ME491; LAMP-3; OMA81H; TSPAN30
NCBI Protein Information	CD63 antigen

UniProt Protein Name	CD63 antigen
UniProt Gene Name	CD63
UniProt Synonym Gene Names	MLA1; TSPAN30; LAMP-3; Tspan-30

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/cd63-antibody-immunohistochemistry-western-blot-elisa/321804>