

Mouse anti-Human CD63 Monoclonal Antibody | anti-CD63 antibody

Anti-CD63 Antibody, Mouse Monoclonal

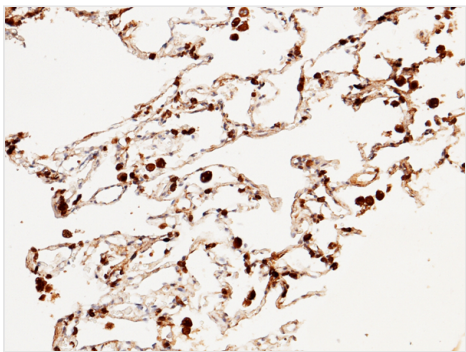
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA255380	Mouse	Human	Immunohistochemistry

PRODUCT SYNONYMS

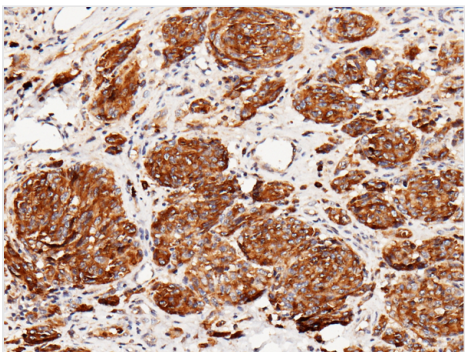
CD63; Monoclonal Antibody; Anti-CD63 Antibody; Mouse Monoclonal; CD63 Antibody; Mouse MAb; CD63 molecule; Anti-LAMP-3 Antibody; Anti-ME491 Antibody; Anti-MLA1 Antibody; Anti-OMA81H Antibody; Anti-TSPAN30 Antibody; anti-CD63 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	Mouse IgG1
Clone Number	01
Specificity	Human CD63
Purity/Purification	Protein A
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-CD63 antibody	IHC (Immunohistochemistry)
Immunogen	Recombinant Human CD63 protein
Conjugation	Unconjugated
Preparation	This antibody was produced from a hybridoma resulting from the fusion of a mouse myeloma with B cells obtained from a mouse immunized with purified, recombinant Human CD63 (rh CD63). The IgG fraction of the cell culture supernatant was purified by Protein A affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles.



IHC (Immunohistochemistry)
Immunochemical staining of human CD63 in human lung with mouse monoclonal antibody (1:60, formalin-fixed paraffin embedded sections). Positive staining was localized to macrophages.



IHC (Immunohistochemistry)
Immunochemical staining of human CD63 in human malignant melanoma with mouse monoclonal antibody (1:60, formalin-fixed paraffin embedded sections). Positive staining was localized to malignant melanoma cells.

ADDITIONAL INFORMATION

Related Product Information for anti-CD63 antibody	The cluster of differentiation (CD) system is commonly used as cell markers in Immunophenotyping. Different kinds of cells in the immune system can be identified through the surface CD molecules which associating with the immune function of the cell. There are more than 320 CD unique clusters and subclusters have been identified. Some of the CD molecules serve as receptors or ligands important to the cell through initiating a signal cascade which then alter the behavior of the cell. Some CD proteins do not take part in cell signal process but have other functions such as cell adhesion. Cluster of differentiation 63 (CD63) is a member of the CD family and the transmembrane 4 superfamily, also known as the tetraspanin family. CD63 is a cell surface glycoprotein characterized by the presence of four hydrophobic domains. CD63 had functions in mediating signal transduction processes and then regulate a variety of cellular processes such as cell proliferation, activation and motility. It has been reported that CD63 protein associated with tumor progression and served as a blood platelet activation marker and the deficiency of this protein may be associated with Hermansky-Pudlak syndrome.
References	Zola H, et al. (2007) CD molecules 2006-human cell differentiation molecules. J Immunol Methods. 318 (1-2): 1-5.Ho IC, et al. (2009) GATA3 and the T-cell lineage: essential functions before and after T-helper-2-cell differentiation. Nat Rev Immunol. 9 (2): 125-35.Matesanz-Isabel J, et al. (2011) New B-cell CD molecules. Immunology Letters.134 (2): 104-12.Radford KJ, et al. (1996) Associates with Transmembrane 4 Superfamily Members, CD9 and CD81, and with beta 1 Integrins in Human Melanoma. Biochemical Biophysical Research Communications. 222(1): 13-18.Metzelaar MJ, et al. (1991) CD63 antigen, A novel lysosomal membrane glycoprotein, cloned by a screening procedure for intracellular antigens in eukaryotic cells. The journal of biological chemistry. 266: 3239-45.

NCBI AND UNIPROT INFORMATION

NCBI GI #	189384
NCBI GeneID	967
UniProt Accession #	P08962; Q5TZP3; Q8N6Z9; Q9UCG6; F8VZE2
Molecular Weight	23,430 Da
NCBI Official Full Name	melanoma-associated antigen
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

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/cd63-antibody-clone-01-immunohistochemistry-elisa/255380>