

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

CD63 (Late Endosomes Marker)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA215310	Mouse	Human, Mouse	Immunofluorescence, Flow Cytometry, Functional Assay

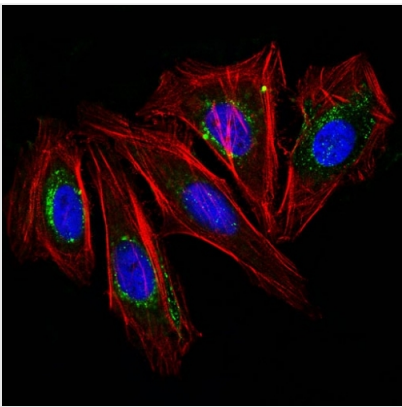
PRODUCT SYNONYMS

CD63; Monoclonal Antibody; CD63 (Late Endosomes Marker); gp55; granulophysin; Lysosomal-associated membrane protein 3 (LAMP-3); Mast cell antigen AD1; melanoma 1 antigen; Melanoma-associated antigen MLA1; Melanoma-associated antigen ME491; MLA1; NGA; Ocular melanoma-associated antigen; OMA81H; PTLGP40; Tetraspanin-30; TSPAN30; anti-CD63 antibody

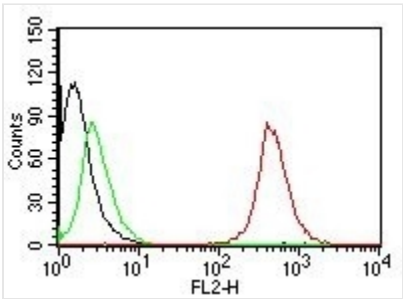
PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human, Mouse
Clonality	Monoclonal
Isotype	IgG1, kappa
Clone Number	NKI/C3
Specificity	This MAb recognizes protein of 26kDa-60kDa, which is identified as CD63. Its epitope is different from that of MAb LAMP3/529. The tetraspanins are integral membrane proteins expressed on cell surface and granular membranes of hematopoietic cells and are components of multi-molecular complexes with specific integrins. The tetraspanin CD63 is a lysosomal membrane glycoprotein that translocates to the plasma membrane after platelet activation. CD63 is expressed on activated platelets, monocytes and macrophages, and is weakly expressed on granulocytes, T cell and B cells. It is located on the basophilic granule membranes and on the plasma membranes of lymphocytes and granulocytes. CD63 is a member of the TM4 superfamily of leukocyte glycoproteins that includes CD9, CD37 and CD53, which contain four transmembrane regions. CD63 may play a role in phagocytic and intracellular lysosome-phagosome fusion events. CD63 deficiency is associated with Hermansky-Pudlak syndrome and is strongly expressed during the early stages of melanoma progression.
Purity/Purification	Purified Ab conjugated to CF488
Form/Format	Antibody Purified from Bioreactor Concentrate by Protein A/G and conjugated to various reporter molecules. Prepared in 10mM PBS with 0.05% BSA and 0.05% azide. Contact us if you require this Ab in a different format.
Sequence Length	238
Applicable Applications for anti-CD63 antibody	IF (Immunofluorescence), FCM/FACS (Flow Cytometry)
Positive Control	SK-MEL-28, HL60, THP-1 or NIH/3T3 cells. Melanoma or lymphoma.
Immunogen	Smooth plasma membrane fraction of MeWo cells
Cellular Localization	Cytoplasmic
Hu-chromosome Location	12q13.2
Preparation and Storage	Antibody with azide: store at 4 to 8 degree C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

IMAGES



IF (Immunofluorescence)
IF staining of HeLa cells using CF488 labeled CD63 Monoclonal Antibody (NK1/C3) (Green). F-actin filaments are labeled with Dylight 554 phalloidin (red). DAPI was used to stain the cell nucleus (blue).



FCM/FACS (Flow Cytometry)
Flow Cytometric staining of human CD63 on MCF-7 cells. Black: cells alone; Green: Isotype Control; Red: CF488-labeled CD63 Monoclonal Antibody (NK1/C3).

ADDITIONAL INFORMATION

References	1. EC Hagen et al., Histopathology 10: 689-700, 1986. 2. AA Palmer et al., Pathology 17: 335-339, 1985. 3. C. Vennegoor et al., Int. J. Cancer 35: 287-295, 1985.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	189384
NCBI GeneID	967
UniProt Accession #	P08962
Molecular Weight	26kDa (core protein); 30-60kDa (glycosylated)
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
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://www.aaabiotech.com/monoclonal/cd63-antibody-clone-nki-c3-immunofluorescence-flow-cytometry-elisa/215310>