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

CD63 (Extracellular region) M034 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA71584	**Mouse**	**Human**	**Immunoprecipitation, Immunocytochemistry, ELISA, Western Blot**

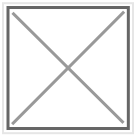
PRODUCT SYNONYMS

CD63; Monoclonal Antibody; CD63 (Extracellular region) M034 Antibody; CD63 (Extracellular region); CD063 M034; anti-CD63 antibody

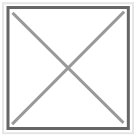
PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1
Clone Number	M034
Specificity	Clone M034 mouse monoclonal antibody detects a 30-60kDa* protein on SDS-PAGE "Native" immunoblots of human A549, MeWo, MDA-MB-231, and MCF7 cells, as well as human breast, lung, and skin tissues. This antibody does not detect denatured CD63. The antibody works for western blot, immunoprecipitation, ELISA, and immunocytochemistry.
Purity/Purification	Protein G chromatography
Form/Format	Mouse monoclonal antibody purified with protein G chromatography is supplied in 100ul phosphate-buffered saline, 50% glycerol, 1mg/ml BSA, and 0.05% sodium azide.
Applicable Applications for anti-CD63 antibody	IP (Immunoprecipitation), ICC (Immunocytochemistry), ELISA, WB (Western Blot)
Immunogen	Clone (M034) was generated from a proprietary antigen related to the native human CD63 expressed in MeWo melanoma cell line.
Preparation and Storage	Store at -20 degree C. Stable for 1 year.

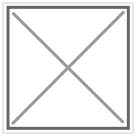
IMAGES



Standard Curve (Sample)
Representative Standard Curve using mouse monoclonal anti-CD63 (CM0341) for ELISA capture of human recombinant CD63 extracellular region with His-tag. Capture was detected by using an anti-His-tag antibody followed by appropriate secondary antibody conjugated to HRP.



ICC (Immunocytochemistry)
Immunocytochemical labeling of CD63 in paraformaldehyde fixed human MeWo melanoma cells. The cells were labeled with mouse monoclonal CD63 (CM0341). The antibody was detected using goat anti-mouse Ig DyLight 594.



WB (Western Blot)
Western blot of native human cell and tissue lyastes: A549 (lane 1), and A549 treated with PNGase F (lane 2), MDA-MB-231 (lane 3), MCF7 (lane 4), breast (lane 5), lung (lane 6), and skin (lane 7). The blot was probed with mouse monoclonal CD63 (CM0341) at 1:1000.

ADDITIONAL INFORMATION

Related Product Information for anti-CD63 antibody	Tetraspanins comprise a large superfamily of cell surface-associated membrane proteins with four transmembrane domains. On cell membranes, tetraspanins form networks of various proteins called tetraspanin-enriched microdomains (TEMs). CD63 was the first characterized tetraspanin and it is found in TEMs, as well as late endosomes and lysosomes. In late endosomes, CD63 is enriched on the intraluminal vesicles, and can be secreted as exosomes through fusion of endosomes with the plasma membrane. The complex localization pattern of CD63 suggests that its intracellular trafficking and distribution must be tightly regulated. CD63 contains N-link glycosylation sites that produce diverse CD63 molecules that range from 30 to 60kDa depending on cell type. CD63 is an important exosomal marker in cancer cells, and may be involved in cancer progression and metastasis.
References	Pols, MS & Klumperman, J (2009) Exp Cell Res. 315(9):1584. Metzelaar, M.J. et al. (1991) J Biol Chem. 266(5):3239. Azorsa, D.O. et al. (1991) Blood. 78(2):280.

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**
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/monoclonal/cd63-antibody-clone-m034-immunoprecipitation-immunocytochemistry-western-blot-elisa/71584