

CD63 Antibody (clone AHN16.1/46-4-5)
Mouse Monoclonal Antibody
Catalog # ALS17134**Specification**

CD63 Antibody (clone AHN16.1/46-4-5) - Product Information

Application	IHC-P, FC
Primary Accession	P08962
Other Accession	967
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Calculated MW	25637

CD63 Antibody (clone AHN16.1/46-4-5) - Additional Information**Gene ID** 967**Other Names**

CD63, CD63 molecule, LAMP-3, ME491, Granulophysin, MLA1, Tetraspanin-30, Tspan-30, CD63 antigen, OMA81H, TSPAN30

Target/Specificity

CD63 molecule of about 50 kd.

Reconstitution & Storage

50 mM sodium phosphate, pH 7.5, 100 mM potassium chloride, 150 mM sodium chloride, 0.5 mg/ml Gentamicin sulfate. Store at +4°C. DO NOT FREEZE.

Precautions

CD63 Antibody (clone AHN16.1/46-4-5) is for research use only and not for use in diagnostic or therapeutic procedures.

CD63 Antibody (clone AHN16.1/46-4-5) - Protein Information**Name** CD63**Synonyms** MLA1, TSPAN30**Function**

Functions as a 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/FceRI stimulation, but not in mast cell degranulation in response to other stimuli.

Cellular Location

Cell membrane; Multi-pass membrane protein. Lysosome membrane; Multi-pass membrane protein. Late endosome membrane; Multi-pass membrane protein. Endosome, multivesicular body. Melanosome. Secreted, extracellular exosome. Cell surface. Note=Also found in Weibel-Palade bodies of endothelial cells (PubMed:10793155). Located in platelet dense granules (PubMed:7682577). Detected in a subset of pre-melanosomes Detected on intraluminal vesicles (ILVs) within multivesicular bodies (PubMed:21962903).

Tissue Location

Detected in platelets (at protein level). Dysplastic nevi, radial growth phase primary melanomas, hematopoietic cells, tissue macrophages.

Volume

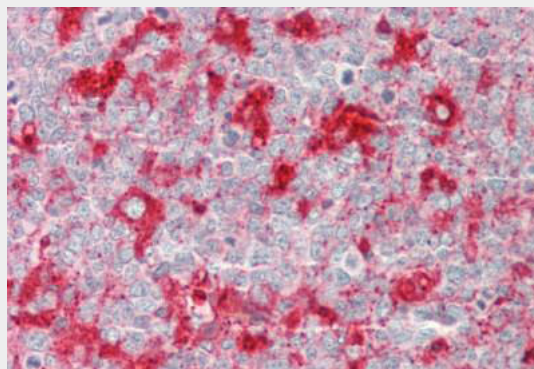
50 μ l

CD63 Antibody (clone AHN16.1/46-4-5) - Protocols

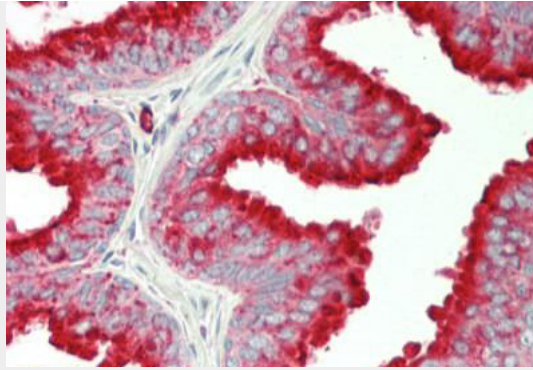
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

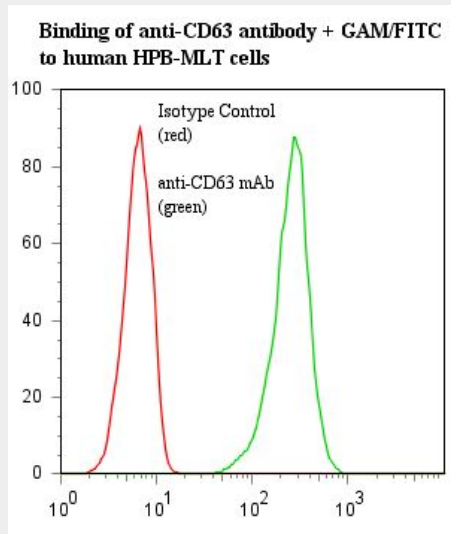
CD63 Antibody (clone AHN16.1/46-4-5) - Images



Human Tonsil: Formalin-Fixed, Paraffin-Embedded (FFPE)



Human Prostate: Formalin-Fixed, Paraffin-Embedded (FFPE)



Flow cytometry of CD63 antibody

CD63 Antibody (clone AHN16.1/46-4-5) - Background

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CD63 Antibody (clone AHN16.1/46-4-5) - References

- Hotta H., et al. *Cancer Res.* 48:2955-2962(1988).
- Rapp G., et al. *DNA Cell Biol.* 9:479-485(1990).
- Metzelaar M.J., et al. *J. Biol. Chem.* 266:3239-3245(1991).
- Wang M.X., et al. *Arch. Ophthalmol.* 110:399-404(1992).
- Hotta H., et al. *Biochem. Biophys. Res. Commun.* 185:436-442(1992).