

CD63 Antibody (clone MEM-259)
Mouse Monoclonal Antibody
Catalog # ALS11982

Specification

CD63 Antibody (clone MEM-259) - Product Information

Application	IHC
Primary Accession	P08962
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Calculated MW	26kDa KDa

CD63 Antibody (clone MEM-259) - Additional Information

Gene ID 967

Other Names

CD63 antigen, Granulophysin, Lysosomal-associated membrane protein 3, LAMP-3, Melanoma-associated antigen ME491, OMA81H, Ocular melanoma-associated antigen, Tetraspanin-30, Tspan-30, CD63, CD63, MLA1, TSPAN30

Target/Specificity

HPB-ALL T cell line

Reconstitution & Storage

Short term 4°C, long term aliquot and store at -20°C, avoid freeze thaw cycles.

Precautions

CD63 Antibody (clone MEM-259) is for research use only and not for use in diagnostic or therapeutic procedures.

CD63 Antibody (clone MEM-259) - 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/FcεRI 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

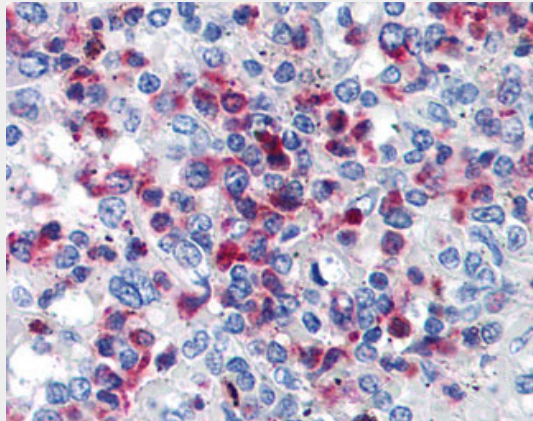
Detected in platelets (at protein level). Dysplastic nevi, radial growth phase primary melanomas, hematopoietic cells, tissue macrophages.

CD63 Antibody (clone MEM-259) - 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 MEM-259) - Images



Anti-CD63 antibody IHC of human spleen.

CD63 Antibody (clone MEM-259) - Background

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CD63 Antibody (clone MEM-259) - 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).