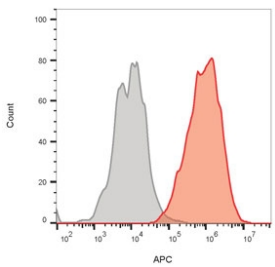
CD63 Antibody / LAMP-3 [clone LAMP3/4949] (V8875)

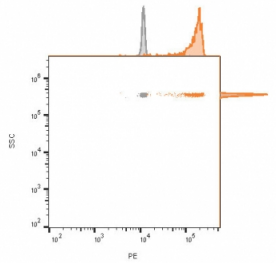
Catalog No.	Formulation	Size
V8875-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V8875-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V8875SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Bulk quote request

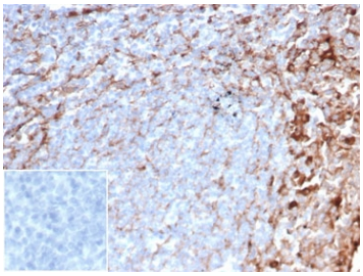
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1, kappa
Clone Name	LAMP3/4949
Purity	Protein A/G affinity
UniProt	P08962
Localization	Cell surface, Cytoplasm
Applications	ELISA : 1-5ug/ml (order BSA-free format for coating) Flow Cytometry : 1-2ug/million cells Immunofluorescence : 1-2ug/ml Immunohistochemistry (FFPE) : 1-2ug/ml
Limitations	This CD63 antibody is available for research use only.



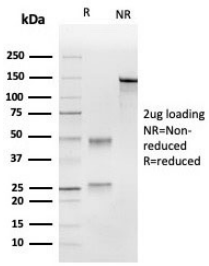
FACS staining of bead-bound exosomes derived from MCF-7 cells: Unstained exosomes (gray) and exosomes stained with CD63 antibody (orange, clone LAMP3/4949).



FACS staining of human MCF-7 cells with CD63 antibody (blue, clone LAMP3/4949), unstained cells (blue, clone gray).



IHC staining of FFPE human tonsil tissue with CD63 antibody (clone LAMP3/4949) at 1ug/ml. Negative control inset: PBS instead of primary antibody to control for secondary binding. HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



SDS-PAGE analysis of purified, BSA-free CD63 antibody (clone LAMP3/4949) as confirmation of integrity and purity.

Description

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.

Application Notes

Optimal dilution of the CD63 antibody should be determined by the researcher.

Immunogen

Full-length human CD63 protein was used as the immunogen for the CD63 antibody.

Storage

Aliquot the CD63 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.