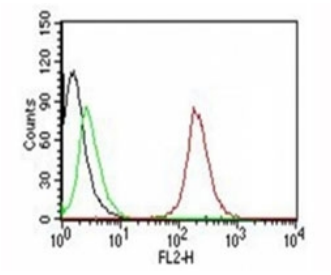
CD63 Antibody PE Conjugate [clone SPM524] (V3026PE)

Catalog No.	Formulation	Size
V3026PE-100T	500 ul at 0.1 mg/ml with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 Tests

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	PE Conjugate
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1, kappa
Clone Name	SPM524
Purity	Protein G affinity chromatography
UniProt	P08962
Localization	Cytoplasmic
Applications	Flow cytometry: 5ul per test per one million cells in 0.1ml
Limitations	This CD63 antibody is available for research use only.



Flow Cytometry testing of MCF-7 cells. Black: cells alone; Green: isotype control; Red: PE-labeled CD63 antibody (SPM524).

Description

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/LAMP-3 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.

Application Notes

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

Immunogen

The smooth plasma membrane fraction of MeWo cells were used as the immunogen for the CD63 antibody.

Storage

Store the CD63 antibody at 2-8oC. Conjugate is light sensitive, store in the dark.

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