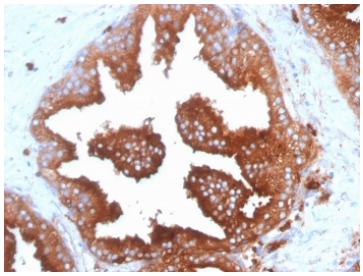
Anti-CD63 Antibody / LAMP-3 [clone SPM524] (V9106)

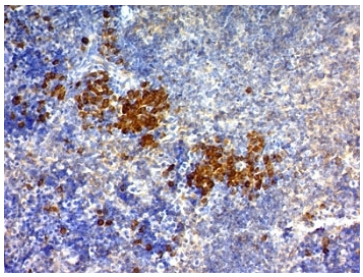
Catalog No.	Formulation	Size
V9106-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V9106-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V9106SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug
V9106IHC-7ML	Prediluted in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide; *For IHC use only*	7 ml

Bulk quote request

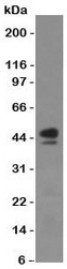
Availability	1-3 business days
Species Reactivity	Human, Mouse
Format	Purified
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1, kappa
Clone Name	SPM524
Purity	Protein G affinity chromatography
UniProt	P08962
Localization	Cell Surface & Cytoplasmic
Applications	Western Blot : 1-2ug/ml Flow Cytometry : 1-2ug/10^6 cells Immunohistochemistry (FFPE) : 1-2ug/ml for 30 min at RT
Limitations	This anti-CD63 antibody is available for research use only.



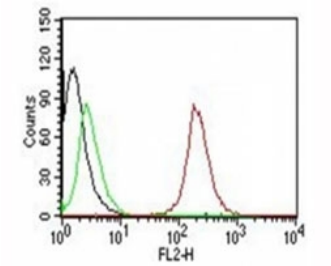
IHC: Formalin-fixed, paraffin-embedded human prostate tissue stained with anti-CD63 antibody (clone SPM524) and DAB chromogen.



IHC: Formalin-fixed, paraffin-embedded mouse spleen stained with anti-CD63 antibody (SPM524) and DAB chromogen



Western blot of human spleen lysate with anti-CD63 antibody (SPM524)



Flow Cytometry testing of MCF-7 cells. Black: cells alone; Green: isotype control; Red: PE-labeled anti-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 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

The optimal dilution of the anti-CD63 antibody for each application should be determined by the researcher.

1. Staining of formalin-fixed tissues is enhanced by boiling tissue sections in pH 9 10mM Tris with 1mM EDTA for 10-20 min followed by cooling at RT for 20 minutes.
2. The prediluted format is supplied in a dropper bottle and is optimized for use in IHC. After epitope retrieval step (if required), drip mAb solution onto the tissue section and incubate at RT for 30 min.

Immunogen

The smooth plasma membrane fraction of MeWo cells was used as the immunogen for this anti-CD63 antibody.

Storage

Store the anti-CD63 antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).