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36-1958: Monoclonal Antibody to CD63 (Late Endosomes Marker)(Clone: SPM524)

Clonality: Monoclonal **Clone Name:** SPM524 Application: FACS.IF.IHC Reactivity: Human, Mouse

Gene: CD63 Gene ID: 967 **Uniprot ID:** P08962 Format: Purified

CD63,MLA1,TSPAN30 **Alternative Name:** Mouse IgG1, kappa Isotype:

Immunogen Information: Smooth plasma membrane fraction of MeWo cells

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.

Product Info

Amount: 100 µg

Purification: Affinity Chromatography

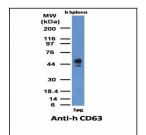
100 μg in 500 μl PBS containing 0.05% BSA and 0.05% sodium azide. Sodium azide is highly Content:

Store the antibody at 4°C; stable for 6 months. For long-term storage; store at -20°C. Avoid Storage condition:

repeated freeze and thaw cycles.

Application Note

Flow Cytometry (1-2ug/million cells); Immunofluorescence (1-2ug/ml); ,Immunohistochemistry (Formalin-fixed) (1-2ug/ml for 30 minutes at RT),(Staining of formalin-fixed tissues is enhanced by boiling tissue sections in 10mM Citrate Buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 minutes),

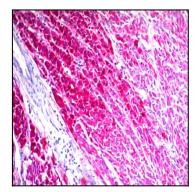


Western Blot of human Spleen Lysate with CD63 Monoclonal Antibody (SPM524)

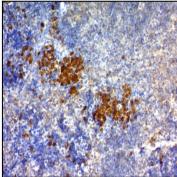


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Formalin-fixed, paraffin-embedded human Melanoma stained with CD63 Monoclonal Antibody (SPM524) (AEC Chromogen)



Formalin-fixed, paraffin-embedded Mouse Spleen stained with CD63 Monoclonal Antibody (SPM524) (DAB Chromogen)