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36-1956: Monoclonal Antibody to CD63 (Late Endosomes Marker)(Clone: NKI/C3)

Clonality: Monoclonal
Clone Name: NKI/C3
Application: FACS,IF,IHC
Reactivity: Human, Mouse

 Gene :
 CD63

 Gene ID :
 967

 Uniprot ID :
 P08962

 Format :
 Purified

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

Immunogen Information: Smooth plasma membrane fraction of MeWo cells

Description

This MAb recognizes protein of 26kDa-60kDa, which is identified as CD63. Its epitope is different from that of MAb LAMP3/529. 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

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

toxic.

Storage condition:

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

repeated freeze and thaw cycles.

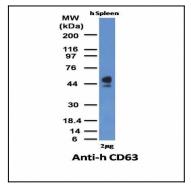
Application Note

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),

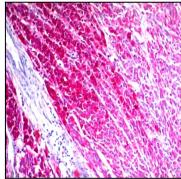


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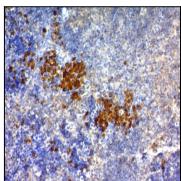
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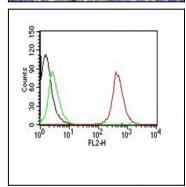
Western Blot of human spleen Lysate with CD63 Monoclonal Antibody (NKI/C3)



Formalin-fixed, paraffin-embedded human Melanoma stained with CD63 Monoclonal Antibody (NKI/C3) (AEC Chromogen)



Formalin-fixed, paraffin-embedded Mouse Spleen stained with CD63 Monoclonal Antibody (NKI/C3) (DAB Chromogen)



Flow Cytometry of human CD63 on MCF-7 Cells. Black: Cells alone; Green: Isotype Control; Red: PE-labeled CD63 Monoclonal Antibody (NKI/C3).