

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

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	NKI/C3
<b>Application :</b>	FACS,IF,IHC
<b>Reactivity :</b>	Human, Mouse
<b>Gene :</b>	CD63
<b>Gene ID :</b>	967
<b>Uniprot ID :</b>	P08962
<b>Format :</b>	Purified
<b>Alternative Name :</b>	CD63,MLA1,TSPAN30
<b>Isotype :</b>	Mouse IgG1, kappa
<b>Immunogen Information :</b>	Smooth plasma membrane fraction of MeWo cells

### Description

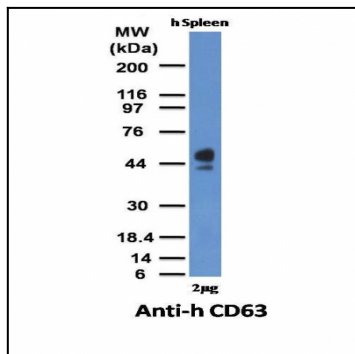
This MAb recognizes protein of 26kDa-60kDa, which is identified as CD63. Its epitope is different from that of MAb LAMP3/529. The tetraspanins are integral membrane proteins expressed on cell surface and granular membranes of hematopoietic cells and are components of multi-molecular complexes with specific 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

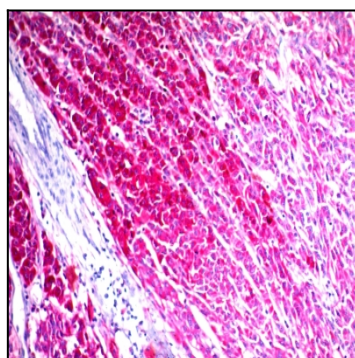
<b>Amount :</b>	100 µg
<b>Purification :</b>	Affinity Chromatography
<b>Content :</b>	100 µg in 500 µl PBS containing 0.05% BSA and 0.05% sodium azide. Sodium azide is highly toxic.
<b>Storage condition :</b>	Store the antibody at 4°C; stable for 6 months. For long-term storage; store at -20°C. Avoid repeated freeze and thaw cycles.

### Application Note

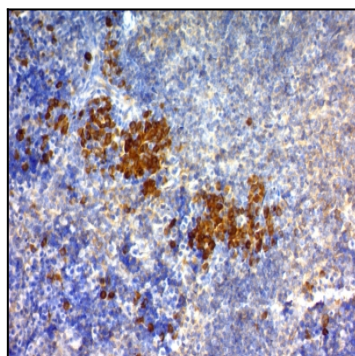
Flow Cytometry (1-2ug/million cells); Immunofluorescence (1-2ug/ml); Immunohistochemistry (Formalin-fixed) (1-2ug/ml for 30 minutes at RT),(Staining of formalin-fixed tissues is enhanced by boiling tissue sections in 10mM Citrate Buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 minutes),



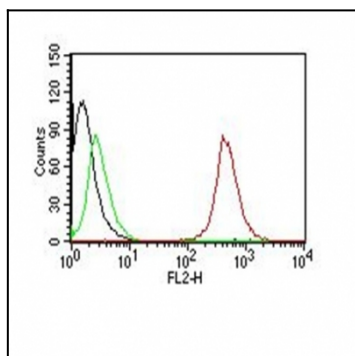
Western Blot of human spleen Lysate with CD63 Monoclonal Antibody (NKI/C3)



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).