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36-1960: Monoclonal Antibody to CD63 (Late Endosomes Marker)(Clone : MX-49.129.5)

Clonality :	Monoclonal
Clone Name :	MX-49.129.5
Application :	FACS,IF,WB,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 :	Full length CD63 of human origin

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 (0.5-1ug/million cells); Immunofluorescence (0.5-1ug/ml); Western Blot (0.5-1ug/ml);,Immunohistochemistry (Formalin-fixed) (1-2ug/ml for 30 minutes at RT),(Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95 &degC followed by cooling at RT for 20 minutes),

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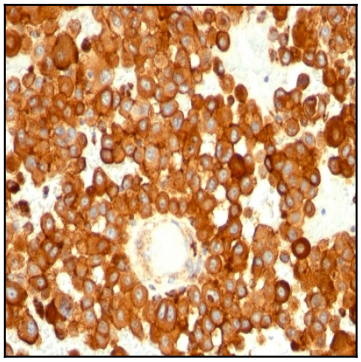
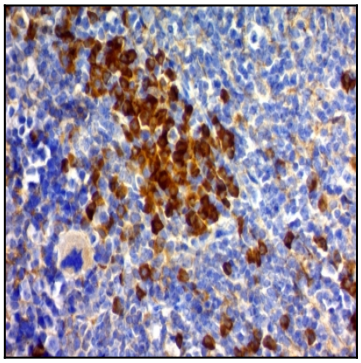
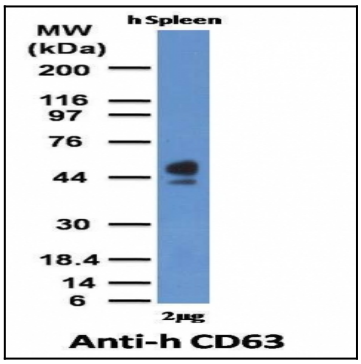


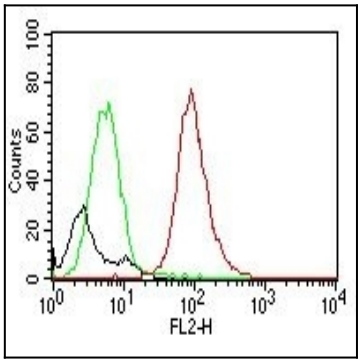
Formalin-fixed, paraffin-embedded human Melanoma stained with CD63 Monoclonal Antibody (MX-49.129.5)



Formalin-fixed, paraffin-embedded mouse spleen stained with CD63 Monoclonal Antibody (MX-49.129.5)



Western Blot of human Spleen Lysate with CD63 Monoclonal Antibody (MX-49.129.5)



Flow Cytometry of NIH/3T3 Cells.Black: Cells alone; Green: Isotype Control; Red: PE-labeled CD63 Monoclonal Antibody (MX-49.129.5)."

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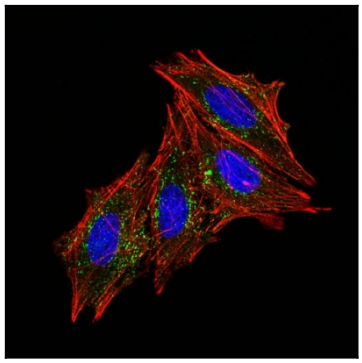
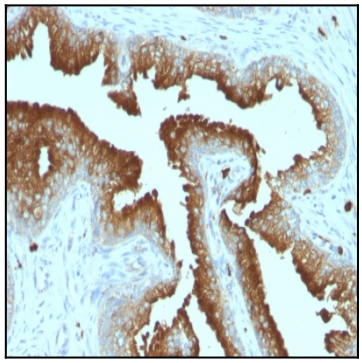


IF staining of HeLa cells using AF488 labeled CD63 Monoclonal Antibody (MX-49.129.5) (green). F-actin filaments are labeled with Dylight 554 phalloidin (red). Nuclei stained with DAPI (blue).



Formalin-fixed, paraffin-embedded human Prostate Carcinoma stained with CD63 Monoclonal Antibody (MX-49.129.5)