9853 Pacific Heights Blvd.
Suite D. San Diego,
CA 92121, USA
Tel: 858-263-4982
Email: info@abeomics.com

36-1964: Monoclonal Antibody to CD63 (Late Endosomes Marker)(NKI/C3 + LAMP3/968)

Clonality :	Monoclonal
Clone Name :	NKI/C3 + LAMP3/968
Application :	FACS,IF,IHC
Reactivity :	Human
Gene :	CD63
Gene ID :	967
Uniprot ID :	P08962
Format :	Purified
Alternative Name :	CD63,MLA1,TSPAN30
Isotype :	Mouse IgG1, kappa + Mouse IgG1, kappa
Immunogen Information :	Smooth plasma membrane fraction of MeWo cells (NKI/C3); Recombinant human full-length CD63 protein (LAMP3/968)

Description

This MAb recognizes protein of 26kDa-60kDa, which is identified as CD63. 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 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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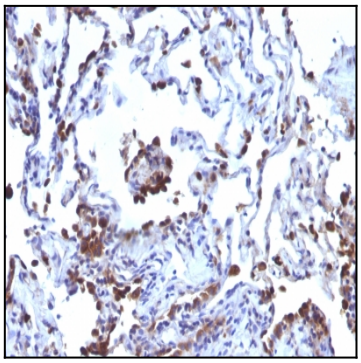
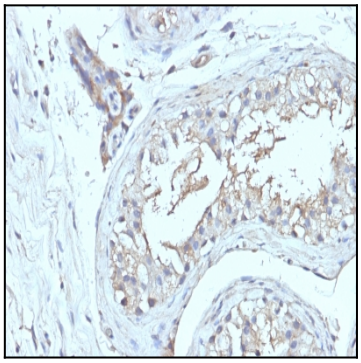
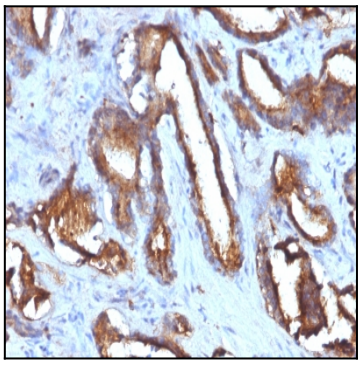


Formalin-fixed, paraffin-embedded human Melanoma metastasized to Lung stained with CD63 Monoclonal Antibody (NKI/C3 + LAMP3/968)



Formalin-fixed, paraffin-embedded human Testicular Carcinoma stained with CD63 Monoclonal Antibody (NKI/C3 + LAMP3/968)



Formalin-fixed, paraffin-embedded human Prostate Carcinoma stained with CD63 Monoclonal Antibody (NKI/C3 + LAMP3/968)

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