

Product Datasheet

CD63 Antibody / LAMP-3 (orb749918)

Catalog Number	orb749918
Description	This mAb recognizes protein of 26kDa-60kDa, which is identified as CD63/LAMP-3. 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/LAMP-3 is a lysosomal membrane glycoprotein that translocates to the plasma membrane after platelet activation. It 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/LAMP-3 may play a role in phagocytic and intracellular lysosome-phagosome fusion events. Deficiency is associated with Hermansky-Pudlak syndrome and is strongly expressed during the early stages of melanoma progression.
Species/Host	Mouse
Reactivity	Human
Conjugation	Unconjugated
Tested Applications	FACS, IHC-P
Immunogen	Recombinant human full-length protein was used as the immunogen for the CD63 / LAMP-3 antibody.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Note	For research use only
Application notes	Optimal dilution of the LAMP-3 antibody should be determined by the researcher.

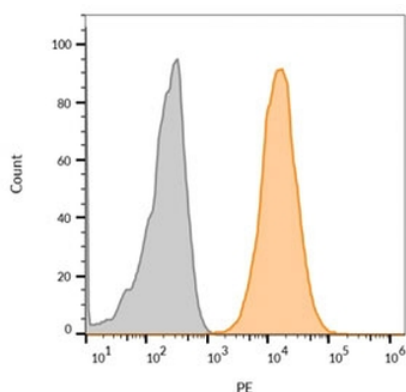
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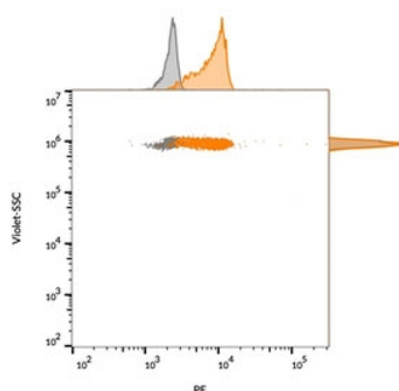
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Formula	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide
Isotype	Mouse IgG2a, kappa
Clonality	Monoclonal
Clone Number	LAMP3/968
Antibody Type	Primary Antibody
Uniprot ID	P08962
Hazard Information	This LAMP-3 antibody is available for research use only.
Dilution Range	Flow cytometry: 1-2ug/million cells, Immunohistochemistry (FFPE): 1-2ug/ml for 30 min at RT
Expiration Date	12 months from date of receipt.



Flow cytometry testing of human MCF7 cells with LAMP-3 antibody (clone LAMP3/968); Gray = unstained, Orange = CF555-labeled LAMP-3 antibody.



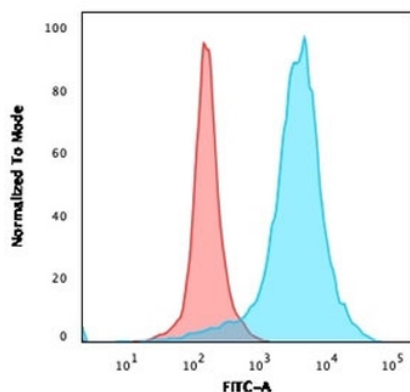
FACS staining of bead-bound exosomes derived from human MCF7 cells: Gray = unstained, Orange = CF555-labeled LAMP-3 antibody.

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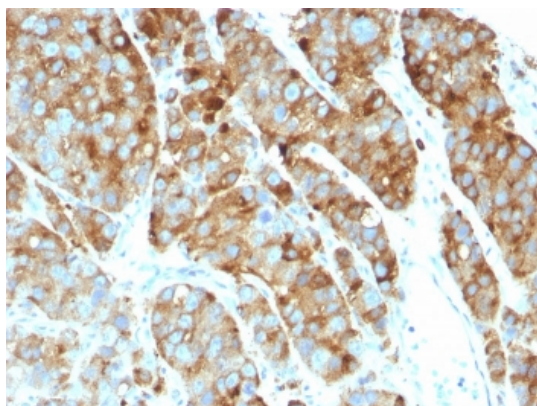
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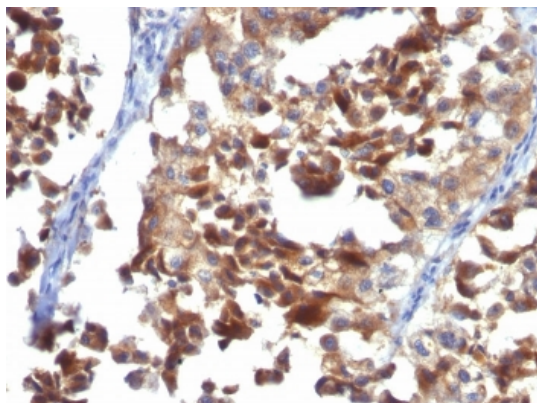
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Flow cytometry testing of PFA-fixed human U-87 MG cells with LAMP-3 antibody (clone LAMP3/968); Red = isotype control, Blue = LAMP-3 antibody.



IHC: Formalin-fixed, paraffin-embedded human prostate carcinoma stained with CD63 / LAMP-3 antibody (LAMP3/968).



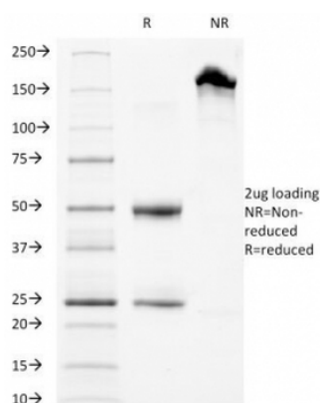
IHC: Formalin-fixed, paraffin-embedded human melanoma stained with CD63 / LAMP-3 antibody (LAMP3/968).

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SDS-PAGE Analysis of Purified, BSA-Free LAMP-3 Antibody (clone LAMP3/968). Confirmation of Integrity and Purity of the Antibody.

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