

Product Datasheet

CD63 Antibody / LAMP3 (orb2639520)

Description

This mAb recognizes protein of 26kDa-60kDa, which is identified as CD63/LAMP-3. Its epitope is different from that of mAb LAMP3/803 or LAMP3/968 or NK1/C3 or MX-49.129.5. 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/LAMP-3 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. It 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

ELISA, FACS, IF

Immunogen

Recombinant human protein was used as the immunogen for the LAMP-3 antibody.

Preservatives

0.2 mg/ml in 1X PBS with 0.1 mg/ml rAlbumin (US sourced) and 0.05% sodium azide

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 CD63 antibody should be determined by the researcher.

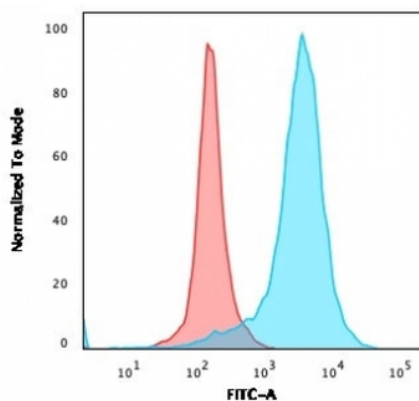
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Formula	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide
Isotype	Mouse IgG2a, kappa
Clonality	Monoclonal
Clone Number	LAMP3/529
Antibody Type	Primary Antibody
Purity	Protein G affinity chromatography
Uniprot ID	P08962
Hazard Information	This LAMP-3 antibody is available for research use only.
Dilution Range	ELISA (order BSA/sodium azide-free format for coating),Flow cytometry: 1-2ug/million cells,Immunofluorescence: 0.5-1ug/ml
Expiration Date	12 months from date of receipt.



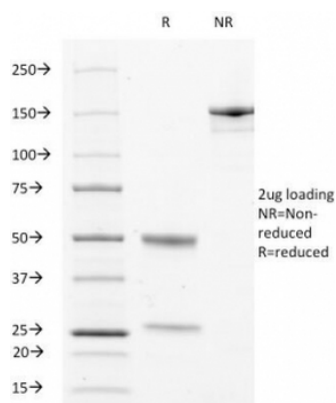
Flow cytometry testing of PFA-fixed human U-87 MG cells with LAMP-3 antibody (clone LAMP3/529); Red = isotype control, Blue = LAMP-3 antibody.

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SDS-PAGE analysis of purified, BSA-free LAMP-3 antibody as confirmation of integrity and purity.

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