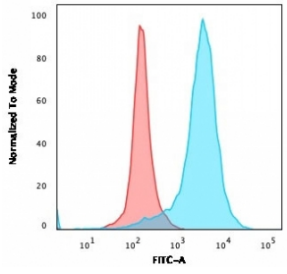
LAMP-3 Antibody / CD63 [clone LAMP3/529] (V3028)

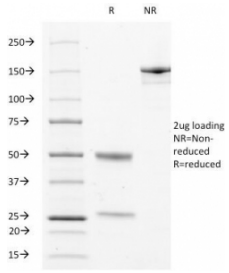
Catalog No.	Formulation	Size
V3028-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V3028-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V3028SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG2a, kappa
Clone Name	LAMP3/529
Purity	Protein G affinity chromatography
UniProt	P08962
Localization	Cytoplasmic
Applications	ELISA (order BSA/sodium Azide-free Format For Coating) : Flow Cytometry : 1-2ug/million cells Immunofluorescence : 0.5-1ug/ml
Limitations	This LAMP-3 antibody is available for research use only.



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.



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

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 NKI/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.

Application Notes

Optimal dilution of the LAMP-3 antibody should be determined by the researcher.

Immunogen

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

Storage

Store the LAMP-3 antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).

Ordering: Phone: 858.663.9055 | Fax: 1.267.821.0800 | Email: info@nsjbio.com