Product Datasheet

CD63 Antibody (LAMP3/968) - Azide and BSA Free
NBP2-47936-0.1mg

Unit Size: 0.1 mg

Store at -20 to -80C. Avoid freeze-thaw cycles.

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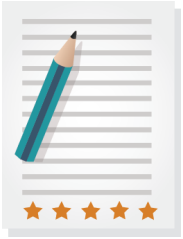
Updated 10/23/2024 v.20.1



NBP2-47936-0.1mg

CD63 Antibody (LAMP3/968) - Azide and BSA Free

Product Information	
Unit Size	0.1 mg
Concentration	1.0 mg/ml
Storage	Store at -20 to -80C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	LAMP3/968
Preservative	No Preservative
Isotype	IgG2a Kappa
Purity	Protein A or G purified
Buffer	10 mM PBS

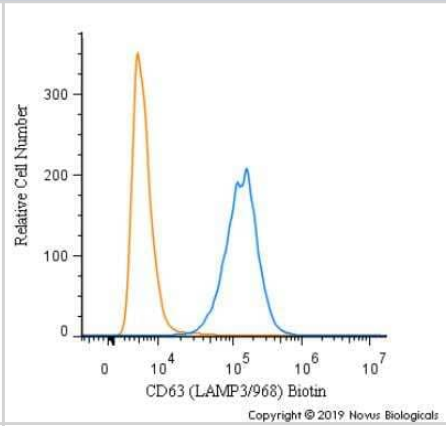
Product Description	
Description	1.0 mg/ml of antibody purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS WITHOUT BSA & azide. Also available at 200 ug/ml WITH BSA & azide (NBP2-44810). Antibody with azide - store at 2 to 8C. Antibody without azide - store at -20 to -80C.
Host	Mouse
Gene ID	967
Gene Symbol	CD63
Species	Human
Marker	Late Endosomes Marker
Specificity/Sensitivity	This monoclonal antibody recognizes protein of 26kDa-60kDa, which is identified as CD63. Its epitope is different from that of monoclonal antibody 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.
Immunogen	Recombinant human full-length CD63 protein (Uniprot: P08962)

Product Application Details	
Applications	Flow Cytometry, Flow (Intracellular), Immunohistochemistry, Immunohistochemistry-Paraffin, CyTOF-ready
Recommended Dilutions	Flow Cytometry 0.5 - 1 ug/million cells in 0.1 ml, Immunohistochemistry, Immunohistochemistry-Paraffin 1 - 2 ug/ml, Flow (Intracellular), CyTOF-ready

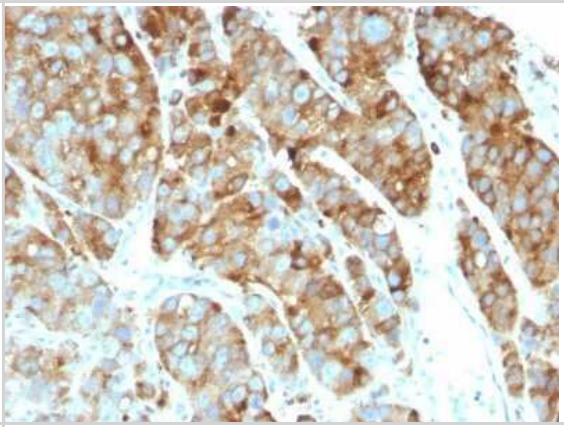
Application Notes	Immunohistochemistry (Formalin-fixed): 1-2ug/ml for 30 minutes at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95C followed by cooling at RT for 20 minutes. Optimal dilution for a specific application should be determined.

Images

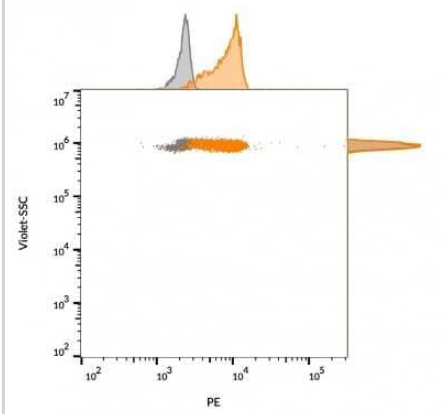
Flow Cytometry: CD63 Antibody (LAMP3/968) - Azide and BSA Free [NBP2-47936] - An intracellular stain was performed on A431 cells with CD63 [LAMP3/968] Antibody NBP2-47936B (blue) and a matched isotype control (orange). Both antibodies were conjugated to Biotin. Cells were fixed with 4% PFA and then permeabilized with 0.1% saponin. Cells were incubated in an antibody dilution of 2.5 ug/mL for 30 minutes at room temperature, followed by Streptavidin - R-Phycoerythrin Protein (2012-1000, Novus Biologicals).



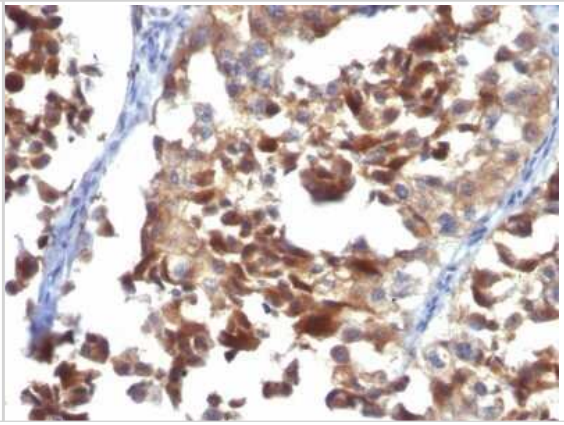
Immunohistochemistry-Paraffin: CD63 Antibody (LAMP3/968) - Azide and BSA Free [NBP2-47936] - Formalin-fixed, paraffin-embedded human Prostate Carcinoma stained with CD63 Antibody (LAMP3/968)

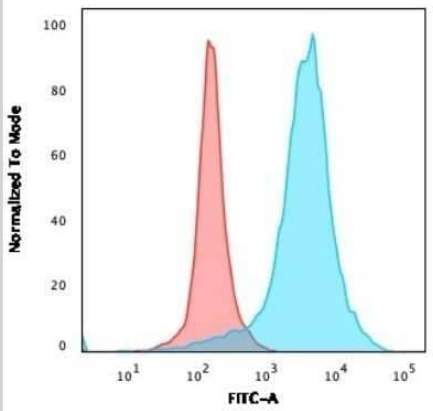
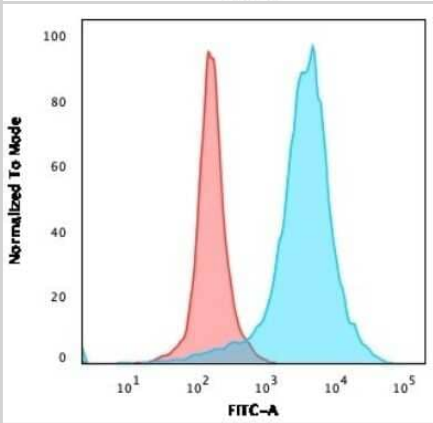
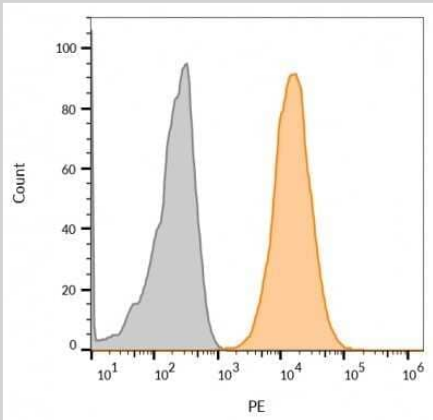


Flow Cytometry: CD63 Antibody (LAMP3/968) - Azide and BSA Free [NBP2-47936] - Flow cytometry of bead-bound exosomes derived from MCF-7 cells. Unstained exosomes (gray) or stained with CF555-labeled CD63 monoclonal antibody (LAMP3/968) (orange)



Immunohistochemistry-Paraffin: CD63 Antibody (LAMP3/968) - Azide and BSA Free [NBP2-47936] - Formalin-fixed, paraffin-embedded human Melanoma stained with CD63 Antibody (LAMP3/968)



Flow Cytometry: CD63 Antibody (LAMP3/968) - Azide and BSA Free [NBP2-47936] - Flow Cytometric Analysis of PFA-fixed U87MG cells. CD63 Antibody (LAMP3/968) followed by goat anti-Mouse IgG-CF488 (Blue); Isotype Control (Red).	
Flow Cytometry: CD63 Antibody (LAMP3/968) - Azide and BSA Free [NBP2-47936] - Flow Cytometric Analysis of PFA-fixed U87MG cells. CD63 Mouse Monoclonal Antibody (LAMP3/968) followed by goat anti-Mouse IgG-CF488 (Blue); Isotype Control (Red).	
Flow Cytometry: CD63 Antibody (LAMP3/968) - Azide and BSA Free [NBP2-47936] - Flow cytometry of MCF-7 cells unstained (gray) or stained with CF555-labeled CD63 monoclonal antibody (LAMP3/968) (orange).	

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Products Related to NBP2-47936-0.1mg

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-96981-0.5mg	Mouse IgG2a Kappa Isotype Control (M2AK)
H00000967-G01-2ug	Recombinant Human CD63 Protein

Limitations
This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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