

# Product Datasheet

## CD63 Antibody (NKI/C3 + LAMP3/968) - Azide and BSA Free NBP2-47937-0.1mg

Unit Size: 0.1 mg

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

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**NBP2-47937-0.1mg**

CD63 Antibody (NKI/C3 + 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	NKI/C3 + LAMP3/968
Preservative	No Preservative
Isotype	IgG1 Kappa/IgG1 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 (NBP2-44811).  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. 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	Smooth plasma membrane fraction of MeWo cells (NKI/C3); Recombinant human full-length CD63 protein (LAMP3/968)

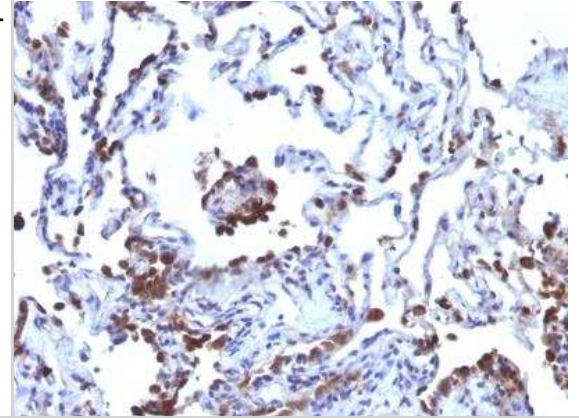
Product Application Details	
Applications	Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, CyTOF-ready, Immunofluorescence
Recommended Dilutions	Flow Cytometry 0.5 - 1 ug/million cells in 0.1 ml, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence 1-2 ug/ml, Immunohistochemistry-Paraffin 1 - 2 ug/ml, Immunofluorescence 0.5 - 1.0 ug/ml, CyTOF-ready

**Application Notes**

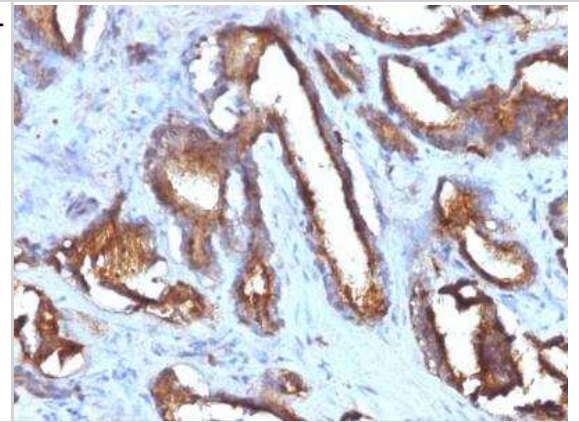
Immunohistochemistry (Formalin-fixed): 1-2ug/ml for 30 minutes at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95C followed by cooling at RT for 20 minutes. Optimal dilution for a specific application should be determined.

**Images**

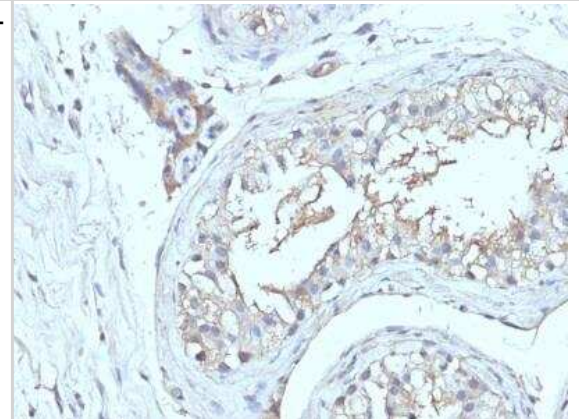
Immunohistochemistry-Paraffin: CD63 Antibody (NKI/C3 + LAMP3/968) - Azide and BSA Free [NBP2-47937] - Human Melanoma metastasized to Lung stained with CD63 Monoclonal Antibody (NKI/C3 + LAMP3/968)



Immunohistochemistry-Paraffin: CD63 Antibody (NKI/C3 + LAMP3/968) - Azide and BSA Free [NBP2-47937] - Human Prostate Carcinoma stained with CD63 Monoclonal Antibody (NKI/C3 + LAMP3/968)



Immunohistochemistry-Paraffin: CD63 Antibody (NKI/C3 + LAMP3/968) - Azide and BSA Free [NBP2-47937] - Human Testicular Ca stained with CD63 Monoclonal Antibody (NKI/C3 + LAMP3/968)





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### **Products Related to NBP2-47937-0.1mg**

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HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
H00000967-G01-2ug	Recombinant Human CD63 Protein
203-IL-010	IL-3 [Unconjugated]

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### **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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