

# Product Datasheet

## LAMP-2/CD107b Antibody (C9-9) NBP2-66929

Unit Size: 100 ul

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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**NBP2-66929****LAMP-2/CD107b Antibody (C9-9)**

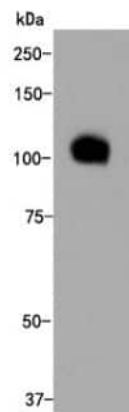
<b>Product Information</b>	
<b>Unit Size</b>	100 ul
<b>Concentration</b>	2 mg/ml
<b>Storage</b>	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
<b>Clonality</b>	Monoclonal
<b>Clone</b>	C9-9
<b>Preservative</b>	0.05% Sodium Azide
<b>Isotype</b>	IgG2b
<b>Purity</b>	Protein A purified
<b>Buffer</b>	PBS (pH7.4), 0.2% BSA, 40% Glycerol
<b>Target Molecular Weight</b>	45 kDa

<b>Product Description</b>	
<b>Description</b>	Novus Biologicals Mouse LAMP-2/CD107b Antibody (C9-9) (NBP2-66929) is a monoclonal antibody validated for use in IHC, WB, Flow and ICC/IF. All Novus Biologicals antibodies are covered by our 100% guarantee.
<b>Host</b>	Mouse
<b>Gene ID</b>	3920
<b>Gene Symbol</b>	LAMP2
<b>Species</b>	Human
<b>Immunogen</b>	Recombinant protein corresponding to N terminal Human LAMP-2/CD107b. (SwissProt: P13473 Human)

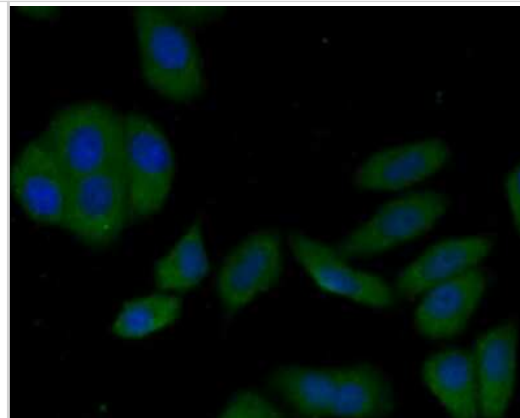
<b>Product Application Details</b>	
<b>Applications</b>	Western Blot, Immunohistochemistry-Paraffin, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry
<b>Recommended Dilutions</b>	Western Blot 1:500-1:2000, Flow Cytometry 1:50-1:100, Immunohistochemistry 1:100-1:500, Immunocytochemistry/ Immunofluorescence 1:50-1:100, Immunohistochemistry-Paraffin 1:100-1:500

**Images**

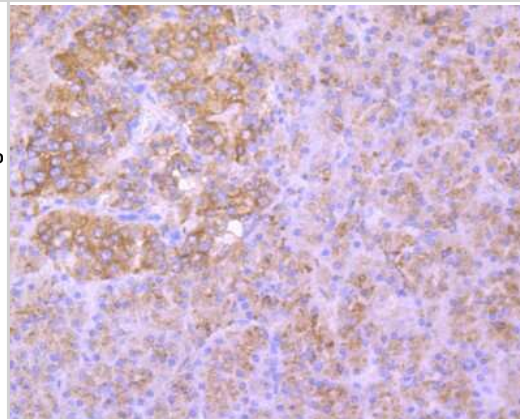
Western Blot: LAMP-2/CD107b Antibody (C9-9) [NBP2-66929] - Western blot analysis of LAMP-2/CD107b on Hela cell lysate. Proteins were transferred to a PVDF membrane and blocked with 5% BSA in PBS for 1 hour at room temperature. The primary antibody (1/500) was used in 5% BSA at room temperature for 2 hours. Goat Anti-Mouse IgG - HRP Secondary Antibody (HA1006) at 1:5,000 dilution was used for 1 hour at room temperature.



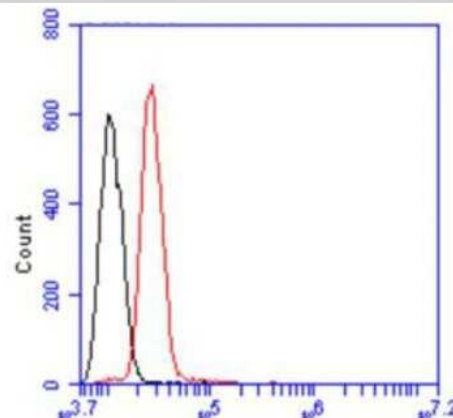
**Immunocytochemistry/Immunofluorescence: LAMP-2/CD107b Antibody (C9-9) [NBP2-66929]** - ICC staining of LAMP2 in HepG2 cells (green). Formalin fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 10 minutes at room temperature and blocked with 1% Blocker BSA for 15 minutes at room temperature. Cells were probed with the primary antibody (1/50) for 1 hour at room temperature, washed with PBS. Alexa Fluor®488 Goat anti-mouse IgG was used as the secondary antibody at 1/100 dilution. The nuclear counter stain is DAPI (blue).



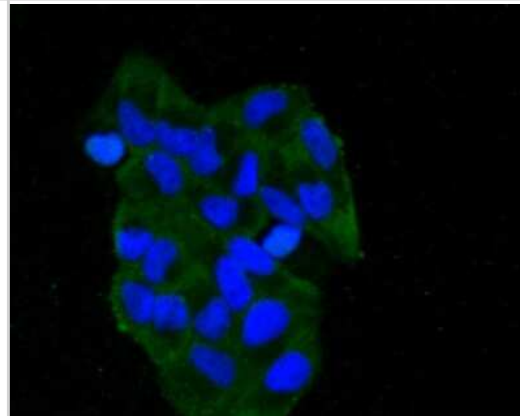
**Immunohistochemistry-Paraffin: LAMP-2/CD107b Antibody (C9-9) [NBP2-66929]** - Immunohistochemical analysis of paraffin-embedded human pancreas tissue using anti-LAMP-2/CD107b antibody. The section was pre-treated using heat mediated antigen retrieval with Tris-EDTA buffer (pH 8.0-8.4) for 20 minutes. The tissues were blocked in 5% BSA for 30 minutes at room temperature, washed with ddH2O and PBS, and then probed with the primary antibody (1/200) for 30 minutes at room temperature. The detection was performed using an HRP conjugated compact polymer system. DAB was used as the chromogen. Tissues were counterstained with hematoxylin and mounted with DPX.



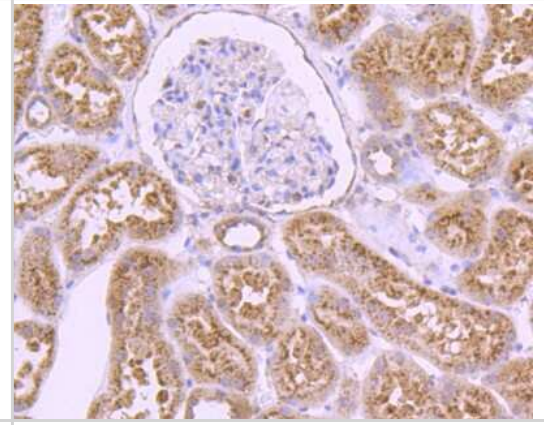
**Flow Cytometry: LAMP-2/CD107b Antibody (C9-9) [NBP2-66929]** - Flow cytometric analysis of LAMP-2/CD107b was done on Hela cells. The cells were fixed, permeabilized and stained with the primary antibody (1/100) (red). After incubation of the primary antibody at room temperature for an hour, the cells were stained with a Alexa Fluor 488-conjugated goat anti-mouse IgG Secondary antibody at 1/500 dilution for 30 minutes. Unlabeled sample was used as a control (cells without incubation with primary antibody; black).



**Immunocytochemistry/Immunofluorescence: LAMP-2/CD107b Antibody (C9-9) [NBP2-66929]** - ICC staining of LAMP-2/CD107b in Hela cells (green). Formalin fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 10 minutes at room temperature and blocked with 1% Blocker BSA for 15 minutes at room temperature. Cells were probed with the primary antibody (1/50) for 1 hour at room temperature, washed with PBS. Alexa Fluor(R)488 Goat anti-mouse IgG was used as the secondary antibody at 1/100 dilution. The nuclear counter stain is DAPI (blue).



Immunohistochemistry-Paraffin: LAMP-2/CD107b Antibody (C9-9) [NBP2-66929] - Immunohistochemical analysis of paraffin-embedded human kidney tissue using anti-LAMP-2/CD107b antibody. The section was pre-treated using heat mediated antigen retrieval with Tris-EDTA buffer (pH 8.0-8.4) for 20 minutes. The tissues were blocked in 5% BSA for 30 minutes at room temperature, washed with ddH<sub>2</sub>O and PBS, and then probed with the primary antibody (1/200) for 30 minutes at room temperature. The detection was performed using an HRP conjugated compact polymer system. DAB was used as the chromogen. Tissues were counterstained with hematoxylin and mounted with DPX.



Immunohistochemistry-Paraffin: LAMP-2/CD107b Antibody (C9-9) [NBP2-66929] - Immunohistochemical analysis of paraffin-embedded human liver tissue using anti-LAMP-2/CD107b antibody. The section was pre-treated using heat mediated antigen retrieval with Tris-EDTA buffer (pH 8.0-8.4) for 20 minutes. The tissues were blocked in 5% BSA for 30 minutes at room temperature, washed with ddH<sub>2</sub>O and PBS, and then probed with the primary antibody (1/200) for 30 minutes at room temperature. The detection was performed using an HRP conjugated compact polymer system. DAB was used as the chromogen. Tissues were counterstained with hematoxylin and mounted with DPX.





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### **Products Related to NBP2-66929**

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NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB7539	Goat anti-Mouse IgG (H+L) Secondary Antibody [HRP]
NBP2-27231	Mouse IgG2b Isotype Control (MPC-11)

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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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