

# Product Datasheet

## Neprilysin/CD10 Antibody (A1G3-R) NBP3-32118

Unit Size: 100 ul

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

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Updated 9/9/2025 v.20.1

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**NBP3-32118****Neprilysin/CD10 Antibody (A1G3-R)**

<b>Product Information</b>	
<b>Unit Size</b>	100 ul
<b>Concentration</b>	1 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>	A1G3-R
<b>Preservative</b>	0.05% Sodium Azide
<b>Isotype</b>	IgG1
<b>Purity</b>	Protein A purified
<b>Buffer</b>	PBS (pH7.4), 0.1% BSA and 40% Glycerol
<b>Target Molecular Weight</b>	86 kDa
<b>Product Description</b>	
<b>Description</b>	Novus Biologicals Mouse Neprilysin/CD10 Antibody (A1G3-R) (NBP3-32118) is a recombinant monoclonal antibody validated for use in IHC, WB and ICC/IF. All Novus Biologicals antibodies are covered by our 100% guarantee.
<b>Host</b>	Mouse
<b>Gene ID</b>	4311
<b>Gene Symbol</b>	MME
<b>Species</b>	Human, Mouse, Rat
<b>Immunogen</b>	Synthetic peptide within human Neprilysin/CD10 aa 200-300. (Uniprot: P08473)
<b>Product Application Details</b>	
<b>Applications</b>	Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry/Immunofluorescence, Immunohistochemistry
<b>Recommended Dilutions</b>	Western Blot 1:2000, Immunohistochemistry, Immunocytochemistry/Immunofluorescence 1:100, Immunohistochemistry-Paraffin 1:200-1:1000

## Images

**Western Blot: Neprilysin/CD10 Antibody (A1G3-R) [NBP3-32118]** - Western blot analysis of Neprilysin/CD10 on different lysates with Mouse anti-Neprilysin/CD10 antibody (NBP3-32118) at 1/2,000 dilution.

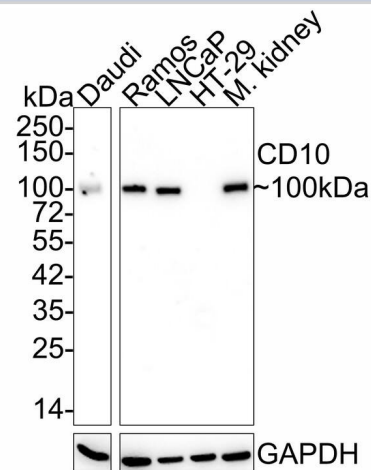
Lane 1: Daudi cell lysate (20 ug/Lane)  
 Lane 2: Ramos cell lysate (20 ug/Lane)  
 Lane 3: LNCaP cell lysate (20 ug/Lane)  
 Lane 4: HT-29 cell lysate (20 ug/Lane) (negative)  
 Lane 5: Mouse kidney tissue lysate (40 ug/Lane)

Predicted band size: 86 kDa  
 Observed band size: 100 kDa

Exposure time: 5 minutes;

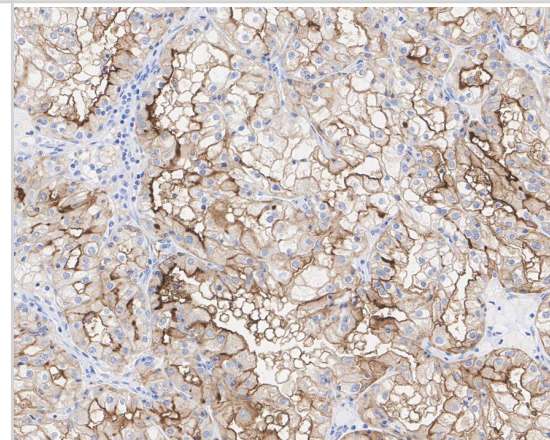
4-20% SDS-PAGE gel.

Proteins were transferred to a PVDF membrane and blocked with 5% NFDm/TBST for 1 hour at room temperature. The primary antibody (NBP3-32118) at 1/2,000 dilution was used in 5% NFDm/TBST at 4°C overnight. Goat Anti-Mouse IgG - HRP Secondary Antibody at 1/50,000 dilution was used for 1 hour at room temperature.



**Immunohistochemistry: Neprilysin/CD10 Antibody (A1G3-R) [NBP3-32118]** - Immunohistochemical analysis of paraffin-embedded human renal clear cell carcinoma tissue with Mouse anti-Neprilysin/CD10 antibody (NBP3-32118) at 1/200 dilution.

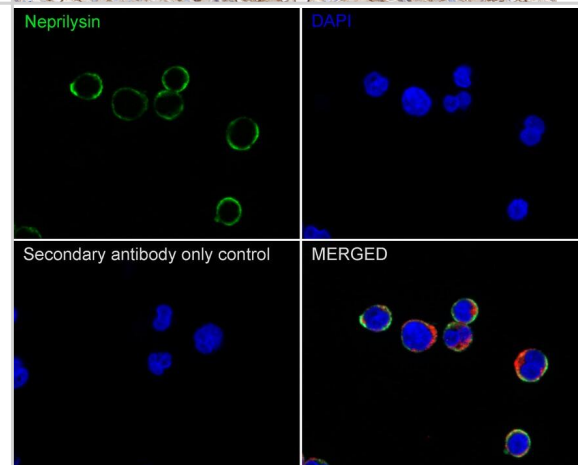
The section was pre-treated using heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 20 minutes. The tissues were blocked in 1% BSA for 20 minutes at room temperature, washed with ddH<sub>2</sub>O and PBS, and then probed with the primary antibody (NBP3-32118) at 1/200 dilution for 1 hour 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.



**Immunocytochemistry/ Immunofluorescence: Neprilysin/CD10 Antibody (A1G3-R) [NBP3-32118]** - Immunocytochemistry analysis of Raji cells labeling Neprilysin/CD10 with Mouse anti-Neprilysin/CD10 antibody (NBP3-32118) at 1/100 dilution.

Cells were fixed in 100% precooled methanol for 5 minutes at room temperature, then blocked with 1% BSA in 10% negative goat serum for 1 hour at room temperature. Cells were then incubated with Mouse anti-Neprilysin/CD10 antibody (NBP3-32118) at 1/100 dilution in 1% BSA in PBST overnight at 4°C. Goat Anti-Mouse IgG H&L (iFluor™ 488) was used as the secondary antibody at 1/1,000 dilution. PBS instead of the primary antibody was used as the secondary antibody only control. Nuclear DNA was labelled in blue with DAPI.

beta Tubulin (red) was stained at 1/100 dilution overnight at +4°C. Goat Anti-Rabbit IgG H&L (iFluor™ 594) were used as the secondary antibody at 1/1,000 dilution.





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### **Products Related to NBP3-32118**

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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]
NBP1-97005-0.5mg	Mouse IgG1 Isotype Control (MG1)

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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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