

# Product Datasheet

## CD133 Antibody (A8C3-R)

### NBP3-32124

Unit Size: 100 ul

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

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**NBP3-32124**

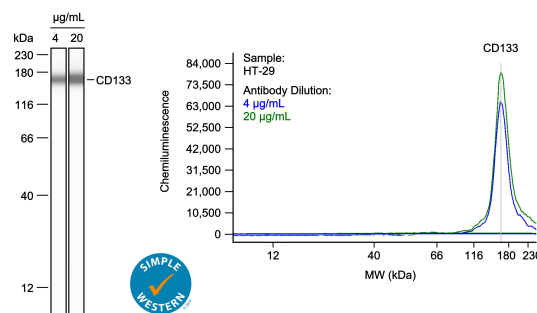
CD133 Antibody (A8C3-R)

<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>	A8C3-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>	97 kDa
<b>Product Description</b>	
<b>Host</b>	Mouse
<b>Gene ID</b>	8842
<b>Gene Symbol</b>	PROM1
<b>Species</b>	Human
<b>Immunogen</b>	Recombinant protein within human CD133 aa 151-400/865. (Uniprot: O43490)
<b>Product Application Details</b>	
<b>Applications</b>	Western Blot, Immunohistochemistry-Paraffin, Immunohistochemistry
<b>Recommended Dilutions</b>	Western Blot 1:5000, Immunohistochemistry, Immunohistochemistry-Paraffin 1:1000



## Images

**Left:** Simple Western lane view shows lysates of HT-29 human colon adenocarcinoma cell line, loaded at 0.1 mg/ml. A specific band was detected for CD133 at approximately 166 kDa (as indicated) using both 4  $\mu$ g/ml and 20  $\mu$ g/ml of Mouse Anti-Human CD133 Monoclonal Antibody (Catalog # NBP3-32124) followed by HRP-conjugated Goat Anti-Mouse Secondary Antibody (Catalog # 042-205). This experiment was conducted under reducing conditions and using the 12-230kDa separation system. **Right:** Simple Western electropherogram showing the same Mouse Anti-Human CD133 Monoclonal Antibody (Catalog # NBP3-32124) tested at 4  $\mu$ g/ml (blue line) and 20  $\mu$ g/ml (green line) in the HT-29 human colon adenocarcinoma cell line.



Western Blot: CD133 Antibody (A8C3-R) [NBP3-32124] - Western blot analysis of CD133 on different lysates with Mouse anti-CD133 antibody (NBP3-32124) at 1/5,000 dilution.

Lane 1: HT-29 cell lysate  
Lane 2: SW480 cell lysate  
Lane 3: NCCIT cell lysate

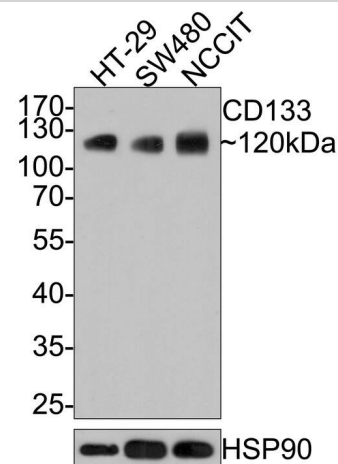
Lysates/proteins at 10 ug/Lane.

Predicted band size: 97 kDa  
Observed band size: 120 kDa

Exposure time: 2 minutes;

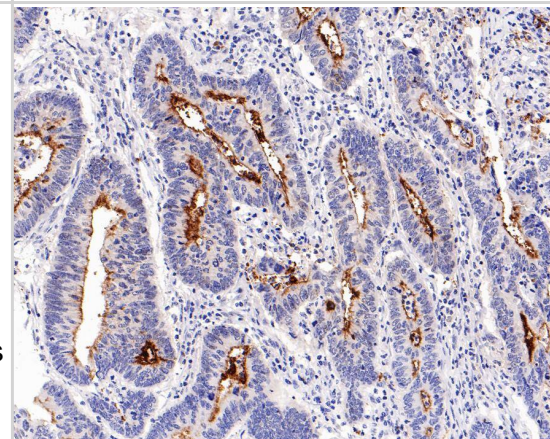
10% SDS-PAGE gel.

Proteins were transferred to a PVDF membrane and blocked with 5% NFDM/TBST for 1 hour at room temperature. The primary antibody (NBP3-32124) at 1/5,000 dilution was used in 5% NFDM/TBST at room temperature for 2 hours. Goat Anti-Mouse IgG - HRP Secondary Antibody at 1:100,000 dilution was used for 1 hour at room temperature.



Immunohistochemistry: CD133 Antibody (A8C3-R) [NBP3-32124] - Immunohistochemical analysis of paraffin-embedded human colon carcinoma tissue with Mouse anti-CD133 antibody (NBP3-32124) at 1/1,000 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 (NBP3-32124) at 1/1,000 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.





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### **Products Related to NBP3-32124**

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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)
NBP2-44250PEP	CD133 Antibody Blocking Peptide

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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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