

# Product Datasheet

## CD44 Antibody (9W6E7)

### NBP3-15617-100ul

Unit Size: 100 ul

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

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**NBP3-15617-100ul**

CD44 Antibody (9W6E7)

Product Information	
<b>Unit Size</b>	100 ul
<b>Concentration</b>	Please see the vial label for concentration. If unlisted please contact technical services.
<b>Storage</b>	Store at -20C. Avoid freeze-thaw cycles.
<b>Clonality</b>	Monoclonal
<b>Clone</b>	9W6E7
<b>Preservative</b>	0.02% Sodium Azide
<b>Isotype</b>	IgG
<b>Purity</b>	Affinity purified
<b>Buffer</b>	PBS (pH 7.3), 50% glycerol, 0.05% BSA

Product Description	
<b>Description</b>	Novus Biologicals Rabbit CD44 Antibody (9W6E7) (NBP3-15617) is a recombinant 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>	Rabbit
<b>Gene ID</b>	960
<b>Gene Symbol</b>	CD44
<b>Species</b>	Human
<b>Immunogen</b>	Recombinant fusion protein containing a sequence corresponding to amino acids 20-178 of human CD44 (NP_000601.3). AQIDLNITCRFAGVVFHVEKNGRYSISRTEAADLCKAFNSTLPTMAQMEKALSIGF ETCRYGFIEGHVVIPRIHPNSICAAANTGVYILTSNTSQYDTYCFNASAPPEEDC TSVTDLPNAFDGPITITIVNRDGTRYVQKGEYRTNPEDIYPSNPTDDDV

Product Application Details	
<b>Applications</b>	Western Blot, Immunohistochemistry-Paraffin, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry
<b>Recommended Dilutions</b>	Western Blot 1:1000 - 1:5000, Flow Cytometry 0.2ug per 10 <sup>6</sup> cells in 100 ul, Immunohistochemistry 1:1000 - 1:5000, Immunocytochemistry/ Immunofluorescence 1:100 - 1:500, Immunohistochemistry-Paraffin 1:1000 - 1:5000

**Images**

Western Blot: CD44 Antibody (9W6E7) [CD44] - Western blot analysis of various lysates using CD44 Rabbit mAb at 1:20000 dilution incubated overnight at 4C.

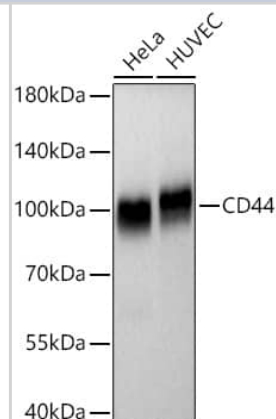
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) at 1:10000 dilution.

Lysates/proteins: 25 ug per lane.

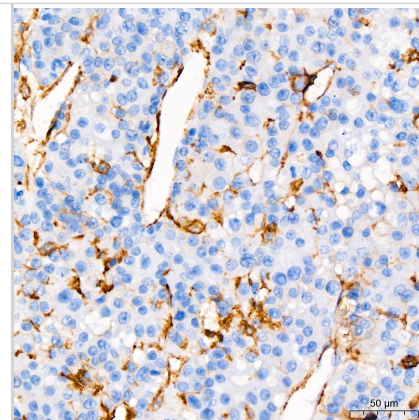
Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit .

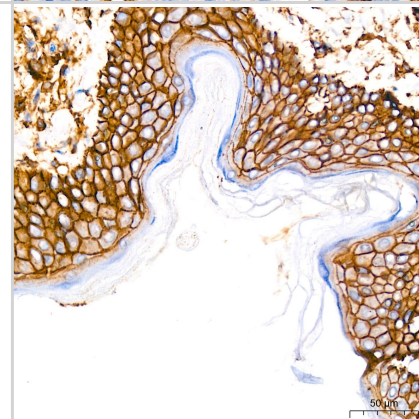
Exposure time: 45s.



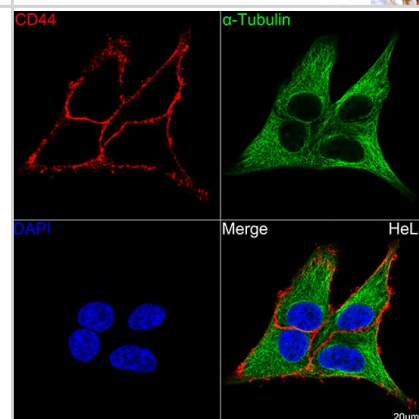
Immunohistochemistry: CD44 Antibody (9W6E7) [CD44] - Immunohistochemistry analysis of paraffin-embedded Human liver cancer using CD44 Rabbit mAb at dilution of 1:2000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris/EDTA Buffer (pH 9.0) prior to IHC staining.



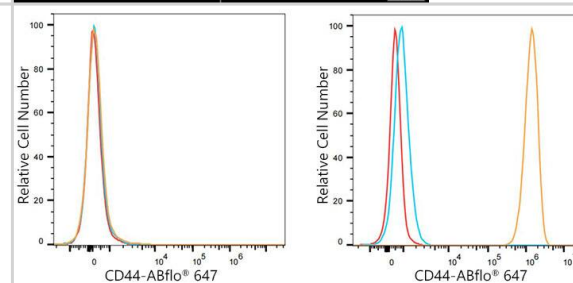
Immunohistochemistry: CD44 Antibody (9W6E7) [CD44] - Immunohistochemistry analysis of paraffin-embedded Human skin using CD44 Rabbit mAb at dilution of 1:2000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris/EDTA Buffer (pH 9.0) prior to IHC staining.



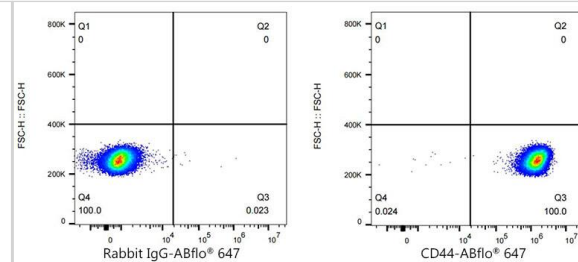
Immunocytochemistry/ Immunofluorescence: CD44 Antibody (9W6E7) [CD44] - Confocal imaging of HeLa cells using CD44 Rabbit mAb followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) . The cells were counterstained with alpha-Tubulin Mouse mAb followed by incubation with ABflo 488-conjugated Goat Anti-Mouse IgG (H+L) Ab (Green). DAPI was used for nuclear staining (Blue). Objective: 100x.



Flow Cytometry: CD44 Antibody (9W6E7) [CD44] - Flow cytometry:  $1 \times 10^6$  Jurkat cells (negative control, left) and HeLa cells were surface-stained with CD44 Rabbit mAb or ABflo 647 Rabbit IgG isotype control , followed by Alexa Fluor 647 conjugated goat anti-rabbit pAb staining. Non-fluorescently stained cells were used as blank control .



Flow Cytometry: CD44 Antibody (9W6E7) [CD44] - Flow cytometry: 1X10<sup>6</sup> HeLa cells were surface-stained with ABflo 647 Rabbit IgG isotype control or CD44 Rabbit mAb .





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### **Products Related to NBP3-15617-100ul**

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NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control

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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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