

# Product Datasheet

## CD44 Antibody (19H12) - BSA Free NBP3-26680-100ul

Unit Size: 100 ul

Store at -20 to -70C. Avoid freeze-thaw cycles.

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**NBP3-26680-100ul**

CD44 Antibody (19H12) - BSA Free

**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 -20 to -70C. Avoid freeze-thaw cycles.
<b>Clonality</b>	Monoclonal
<b>Clone</b>	19H12
<b>Preservative</b>	0.02% Sodium Azide
<b>Isotype</b>	IgG
<b>Purity</b>	Affinity purified
<b>Buffer</b>	PBS, pH 7.4, 150mM NaCl, and 50% glycerol

**Product Description**

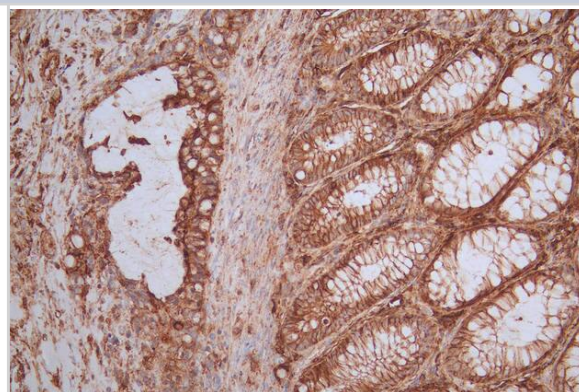
<b>Host</b>	Rabbit
<b>Gene ID</b>	960
<b>Gene Symbol</b>	CD44
<b>Species</b>	Human
<b>Immunogen</b>	A synthesized peptide derived from Human CD44 [UniProt P16070]

**Product Application Details**

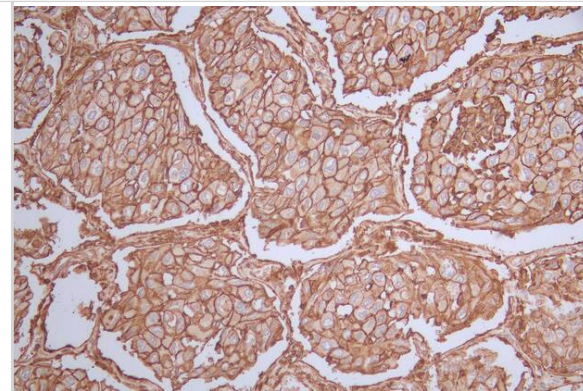
<b>Applications</b>	Western Blot, ELISA, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry
<b>Recommended Dilutions</b>	Western Blot 1:500-1:2000, Flow Cytometry 1:50-1:200, ELISA, Immunohistochemistry 1:50-1:200, Immunocytochemistry/ Immunofluorescence 1:50-1:200

**Images**

Immunohistochemistry: CD44 Antibody (19H12) [NBP3-26680] - Image of CD44 Antibody (19H12) diluted at 1:50 and staining in paraffin-embedded human rectal cancer performed. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4C overnight. The primary is detected by a Goat anti-rabbit polymer IgG labeled by HRP and visualized using 0.51% DAB.



**Immunohistochemistry: CD44 Antibody (19H12) [NBP3-26680]** - Image of CD44 Antibody (19H12) diluted at 1:50 and staining in paraffin-embedded human rectal cancer performed. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4C overnight. The primary is detected by a Goat anti-rabbit polymer IgG labeled by HRP and visualized using 0.51% DAB.



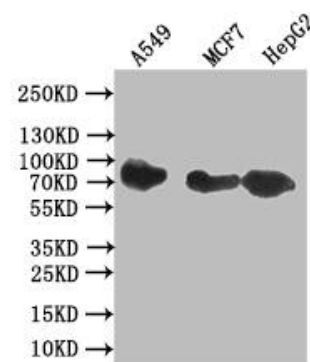
**Western Blot: CD44 Antibody (19H12) [NBP3-26680]** - Positive Western Blot detected in: A549 whole cell lysate, MCF7 whole cell lysate, HepG2 whole cell lysate.

All lanes: CD44 Antibody at 1: 1000

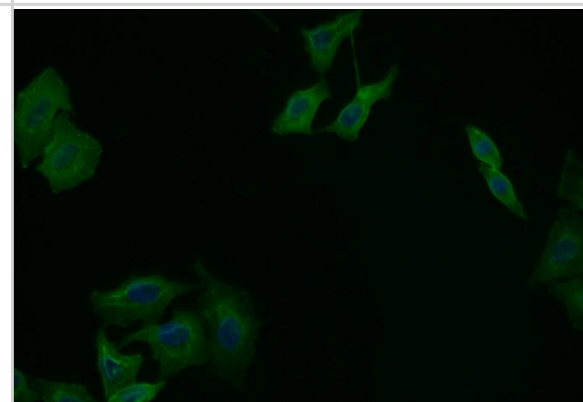
Secondary: Goat polyclonal to rabbit IgG at 1/50000 dilution.

Predicted band size: 81 kDa

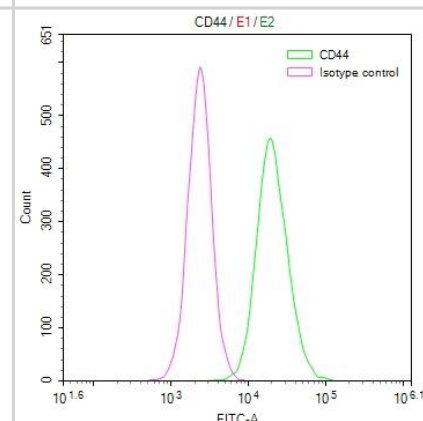
Observed band size: 81 kDa



**Immunocytochemistry/Immunofluorescence: CD44 Antibody (19H12) [NBP3-26680]** - Staining of Hela with CD44 Antibody (19H12) at 1:25, counter-stained with DAPI. The cells were fixed in 4% formaldehyde and blocked in 10% normal Goat Serum. The cells were then incubated with the antibody overnight at 4C. The secondary antibody was Alexa Fluor 515-conjugated Goat Anti-Rabbit IgG (H+L).



**Flow Cytometry: CD44 Antibody (19H12) [NBP3-26680]** - Overlay Peak curve showing Hela cells stained with CD44 Antibody (19H12) (red line) at 1:50. The cells were fixed in 4% formaldehyde and permeated by 0.2% Triton X-100. Then 10% normal goat serum to block non-specific protein-protein interactions followed by the antibody (1ug/1\*10<sup>6</sup> cells) for 45min at 4C. The secondary antibody used was FITC-conjugated Goat Anti-rabbit IgG (H+L) at 1:200 dilution for 35min at 4C. Control antibody (green line) was rabbit IgG (1ug/1\*10<sup>6</sup> cells) used under the same conditions. Acquisition of >10,000 events was performed.





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### **Products Related to NBP3-26680-100ul**

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HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
NBP1-84578PEP	CD44 Recombinant Protein Antigen

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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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