

# Product Datasheet

## CD44 Antibody (Hermes-1) - Azide and BSA Free NBP2-22530

Unit Size: 200 ug

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

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Updated 2/11/2026 v.20.1

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**NBP2-22530**

CD44 Antibody (Hermes-1) - Azide and BSA Free

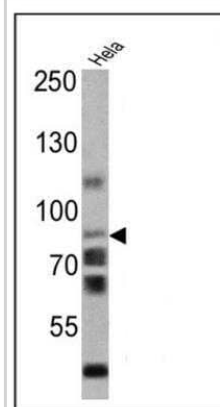
Product Information	
Unit Size	200 ug
Concentration	1 mg/ml
Storage	Store at -20C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	Hermes-1
Preservative	No Preservative
Isotype	IgG2a
Purity	Protein G purified
Buffer	PBS

Product Description	
Description	Novus Biologicals Rat CD44 Antibody (Hermes-1) - Azide and BSA Free (NBP2-22530) is a monoclonal antibody validated for use in IHC, WB, ELISA, Flow, ICC/IF, IP and ChIP. Anti-CD44 Antibody: Cited in 7 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rat
Gene ID	960
Gene Symbol	CD44
Species	Human, Mouse, Bovine, Goat, Rabbit, Sheep
Marker	Cell Membrane Marker
Immunogen	80 - 95 kDa lymphocyte surface glycoprotein H-CAM (CD44).

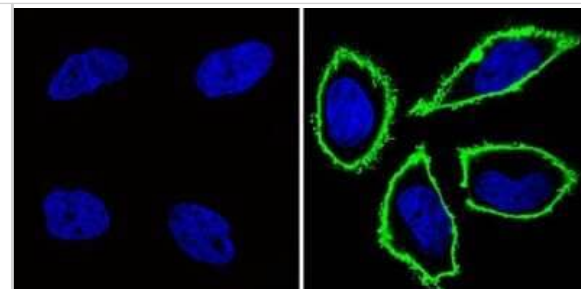
Product Application Details	
Applications	Western Blot, ELISA, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunoprecipitation, Block/Neutralize, CyTOF-ready
Recommended Dilutions	Western Blot 1:1 - 1:100, Flow Cytometry 1:10 - 1:1000, ELISA 1:100 - 1:2000, Immunohistochemistry 1:10 - 1:2000, Immunocytochemistry/ Immunofluorescence 1:10 - 1:200, Immunoprecipitation 1:10 - 1:50, CyTOF-ready, Block/Neutralize

**Images**

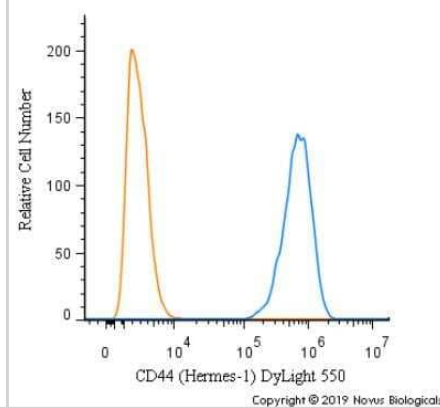
Western Blot: CD44 Antibody (Hermes-1) [NBP2-22530] - of HeLa cell lysates.



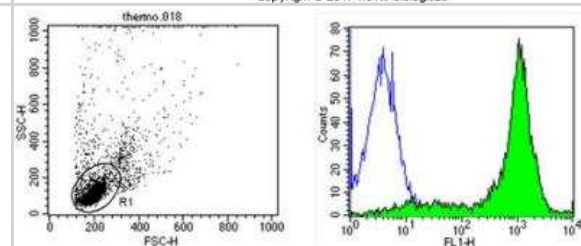
Immunocytochemistry/Immunofluorescence: CD44 Antibody (Hermes-1) [NBP2-22530] - Analysis of CD44 (green) showing staining in the membrane of Hela cells (right) compared to a negative control without primary antibody (left).



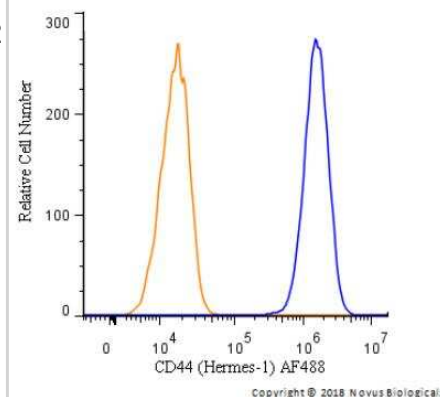
Flow Cytometry: CD44 Antibody (Hermes-1) [NBP2-22530] - A surface stain was performed on U-87 cells with CD44 (Hermes-1) Antibody NBP2-22530R (blue) and a matched isotype control (orange). Cells were incubated in an antibody dilution of 5 ug/mL for 20 minutes at room temperature. Both antibodies were conjugated to DyLight 550.



Flow Cytometry: CD44 Antibody (Hermes-1) [NBP2-22530] - Analysis of CD44 in PBMC cells (green) compared to an isotype control (blue).



Flow Cytometry: CD44 Antibody (Hermes-1) [NBP2-22530] - A surface stain was performed on U-87 cells with CD44 [Hermes-1] Antibody NBP2-22530AF488 (blue) and a matched isotype control (orange). Cells were incubated in an antibody dilution of 5 ug/mL for 20 minutes at room temperature. Both antibodies were conjugated to Alexa Fluor 488.



## Publications

W Niu, TC Lim, A Alshihri, R Rajappa, L Wang, M Kurisawa, M Spector Platelet-Derived Growth Factor Stimulated Migration of Bone Marrow Mesenchymal Stem Cells into an Injectable Gelatin-Hydroxyphenyl Propionic Acid Matrix Biomedicines, 2021-02-17;9(2):. 2021-02-17 [PMID: 33671438] (Western Blot, Human)

Sawaki D, Zhang Y, Mohamadi A et al. Osteopontin promotes age-related adipose tissue remodeling through senescence-associated macrophage dysfunction JCI insight 2023-04-24 [PMID: 37092554] (ChIP)

Chatterjee S, Patra D, Ghosh P et al. Activity of ROCKII not ROCKI promotes pulmonary metastasis of melanoma cells via modulating Smad2/3-MMP9 and FAK-Src-VEGF signalling Cellular signalling 2022-06-17 [PMID: 35718242] (IHC-P, FLOW, Mouse)

Chen G, Zhang W, Zhang K et al Hypoxia-Induced Mesenchymal Stem Cells Exhibit Stronger Tenogenic Differentiation Capacities and Promote Patellar Tendon Repair in Rabbits Stem Cells Int 2020-11-02 [PMID: 33133195] (FLOW, Rabbit)

### Details:

Citation using the Allophycocyanin version of this antibody.

Zhang X, Du L, Zhao N et al. Effects of bone marrow mesenchymal stem cell-derived exosomes on bone formation on titanium Research Square 2020-11-05 [PMID: 33239091] (FLOW, Rabbit)

### Details:

Rabbit bone marrow mesenchymal stem cells under went flow cytometry.

Reithmeier A Tartrate-resistant acid phosphatase/ACP5 as a driver of cancer: Dissection of its oncogenic mechanisms and indentification of small molecule inhibitors Thesis 2017-12-15 (B/N, Human)

Reithmeier A, Panizza E, Krumpel M et al. Tartrate-resistant acid phosphatase (TRAP/ACP5) promotes metastasis-related properties via TGF beta 2/T beta R and CD44 in MDA-MB-231 breast cancer cells BMC Cancer 2017-09-15 [PMID: 28915803] (B/N, Human)

Lakshminarayan R, Wunder C, Becken U et al. Galectin-3 drives glycosphingolipid-dependent biogenesis of clathrin-independent carriers Nat Cell Biol. 2014-05-18 [PMID: 24837829] (WB, Human)





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### **Products Related to NBP2-22530**

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NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF005	Goat anti-Rat IgG Secondary Antibody [HRP]
NB7115	Goat anti-Rat IgG (H+L) Secondary Antibody [HRP]
NBP2-21947-0.1mg	Rat IgG2a Isotype Control (2A3)

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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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