

# Product Datasheet

## CD44 Antibody (156-3C11)

### NBP2-34327-0.1mg

Unit Size: 0.1 mg

Store at 4C.

[www.novusbio.com](http://www.novusbio.com)



[technical@novusbio.com](mailto:technical@novusbio.com)

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Updated 10/23/2024 v.20.1

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**NBP2-34327-0.1mg**

CD44 Antibody (156-3C11)

Product Information	
Unit Size	0.1 mg
Concentration	0.2 mg/ml
Storage	Store at 4C.
Clonality	Monoclonal
Clone	156-3C11
Preservative	0.05% Sodium Azide
Isotype	IgG2a Kappa
Purity	Protein A or G purified
Buffer	10 mM PBS with 0.05% BSA

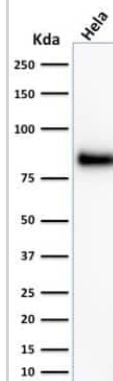
Product Description	
Description	200ug/ml of antibody purified from Bioreactor Concentrate by Protein A or G. Prepared in 10 mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0 mg/ml. (NBP2-34520)  Antibody with azide - store at 2 to 8C. Antibody without azide - store at -20 to -80C.
Host	Mouse
Gene ID	960
Gene Symbol	CD44
Species	Human, Monkey, Baboon
Reactivity Notes	Green Monkey
Marker	Cancer Stem Cell Marker
Specificity/Sensitivity	Recognizes a cell surface glycoprotein of 80-95kDa (CD44) on lymphocytes, monocytes, and granulocytes (Leucocyte Typing Workshop V). Its epitope is resistant to digestion by trypsin and chymotrypsin. This monoclonal antibody selectively interferes with lymphocyte binding to lymph node, mucosal and synovial endothelium. The CD44 family of glycoproteins exists in a number of variant isoforms, the most common being the standard 85-95kDa or hematopoietic variant (CD44s). Higher molecular weight isoforms are described in epithelial cells (CD44v), which are believed to function in intercellular adhesion and stromal binding. CD44 immunostaining is commonly used for the discrimination of urothelial transitional cell carcinoma in-situ from non-neoplastic changes in the urothelium.
Immunogen	Stimulated human leukocytes

Product Application Details	
Applications	Western Blot, Flow Cytometry, Flow (Cell Surface), Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot 1-2 ug/ml, Flow Cytometry 2-4 ug/million cells, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence 2-4 ug/ml, Immunohistochemistry-Paraffin 1-2 ug/ml, Flow (Cell Surface)
Application Notes	Immunohistochemistry (Formalin-fixed): 1-2ug/ml for 30 minutes at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95C followed by cooling at RT for 20 minutes. Optimal dilution for a specific application should be determined.

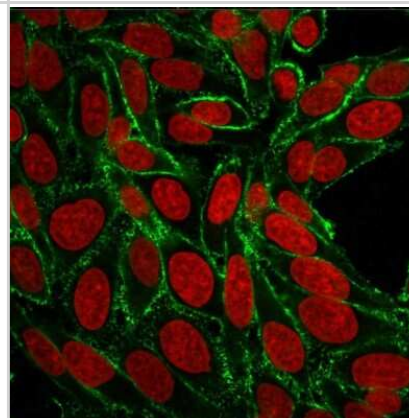


## Images

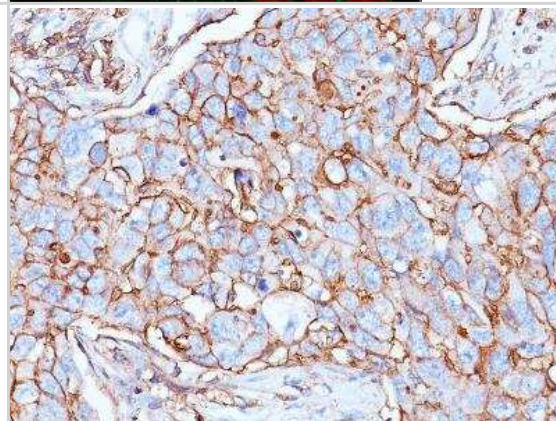
Western Blot: CD44 Antibody (156-3C11) [NBP2-34327] - Western Blot Analysis of HeLa cell lysate using CD44 Antibody (156-3C11).



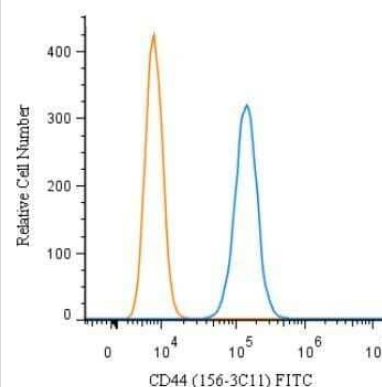
Immunocytochemistry/Immunofluorescence: CD44 Antibody (156-3C11) [NBP2-34327] - Confocal immunofluorescence image of HeLa cells using CD44 Antibody (156-3C11) Green (CF488) and Red Dot is used to label the nuclei Red.



Immunohistochemistry-Paraffin: CD44 Antibody (156-3C11) [NBP2-34327] - Formalin-paraffin human breast carcinoma stained with CD44 MAb (156-3C11)

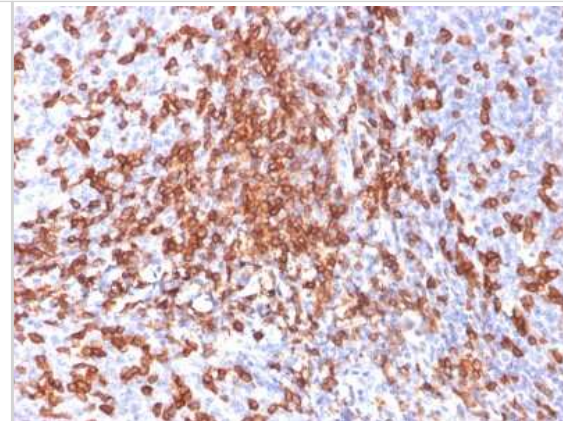


Flow Cytometry: CD44 Antibody (156-3C11) [NBP2-34327] - A surface stain was performed on HeLa cells with CD44 Antibody (156-3C11) NBP2-34520F and a matched isotype control (orange). Cells were incubated in an antibody dilution of 5 ug/mL for 20 minutes at room temperature. Both antibodies were conjugated to FITC. Image using the FITC format of this antibody.



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Immunohistochemistry-Paraffin: CD44 Antibody (156-3C11) [NBP2-34327] - Formalin-fixed, paraffin-embedded human tonsil stained with CD44 MAb (156-3C11)



## Publications

Liang K, Ng S, Lee F et al. Targeted intracellular protein delivery based on hyaluronic acid-green tea catechin nanogels. *Acta Biomater.* 2016-01-16 [PMID: 26785145] (FLOW, Human)



### **Novus Biologicals USA**

10730 E. Briarwood Avenue  
Centennial, CO 80112  
USA  
Phone: 303.730.1950  
Toll Free: 1.888.506.6887  
Fax: 303.730.1966  
nb-customerservice@bio-techne.com

### **Bio-Techne Canada**

21 Canmotor Ave  
Toronto, ON M8Z 4E6  
Canada  
Phone: 905.827.6400  
Toll Free: 855.668.8722  
Fax: 905.827.6402  
canada.inquires@bio-techne.com

### **Bio-Techne Ltd**

19 Barton Lane  
Abingdon Science Park  
Abingdon, OX14 3NB, United Kingdom  
Phone: (44) (0) 1235 529449  
Free Phone: 0800 37 34 15  
Fax: (44) (0) 1235 533420  
info.EMEA@bio-techne.com

### **General Contact Information**

www.novusbio.com  
Technical Support: nb-technical@bio-techne.com  
Orders: nb-customerservice@bio-techne.com  
General: novus@novusbio.com

### **Products Related to NBP2-34327-0.1mg**

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HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-96981-0.5mg	Mouse IgG2a Kappa Isotype Control (M2AK)
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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