

# Product Datasheet

## **NCAM-1/CD56 Antibody (123A8 (same as 56C04)) - Azide and BSA Free NBP2-34518-0.1mg**

Unit Size: 0.1 mg

Store at -20 to -80C. Avoid freeze-thaw cycles.

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



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

**Reviews: 1 Publications: 1**

Protocols, Publications, Related Products, Reviews, Research Tools and Images at:  
[www.novusbio.com/NBP2-34518](http://www.novusbio.com/NBP2-34518)

Updated 10/23/2024 v.20.1

**Earn rewards for product  
reviews and publications.**

Submit a publication at [www.novusbio.com/publications](http://www.novusbio.com/publications)

Submit a review at [www.novusbio.com/reviews/destination/NBP2-34518](http://www.novusbio.com/reviews/destination/NBP2-34518)



**NBP2-34518-0.1mg**

NCAM-1/CD56 Antibody (123A8 (same as 56C04)) - Azide and BSA Free

Product Information	
Unit Size	0.1 mg
Concentration	1.0 mg/ml
Storage	Store at -20 to -80C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	123A8 (same as 56C04)
Preservative	No Preservative
Isotype	IgG1 Kappa
Purity	Protein A or G purified
Buffer	10 mM PBS

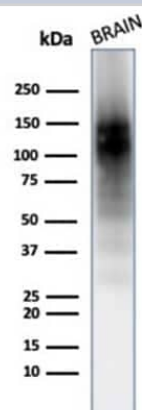
Product Description	
Description	1.0 mg/ml of antibody purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS WITHOUT BSA & azide. Also available at 200 ug/ml WITH BSA & azide (NBP2-34279).  Antibody with azide - store at 2 to 8C. Antibody without azide - store at -20 to -80C.
Host	Mouse
Gene ID	4684
Gene Symbol	NCAM1
Species	Human
Marker	Neuronal Cell Marker
Specificity/Sensitivity	This monoclonal antibody reacts with an extracellular domain (close to transmembrane) of CD56/NCAM. Three isoforms of neural cell adhesion molecule (NCAM) are produced by differential splicing of the RNA transcript from a single gene. The 135kDa isoform is the basic molecule, which is glycosylated or sialylated to produce the mature species. Anti-CD56 recognizes two proteins of the neural cell adhesion molecule, the basic molecule expressed on most neuroectodermally derived tissues and neoplasms (e.g. retinoblastoma, medulloblastomas, astrocytomas, neuroblastomas, and small cell carcinomas). It is also expressed on some mesodermally derived tumors (rhabdomyosarcoma). Anti-CD56 plays an important role in the diagnosis of nodal and nasal NK/T-cell lymphomas.
Immunogen	Membrane preparation of a small cell lung carcinoma

Product Application Details	
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, Imaging Mass Cytometry
Recommended Dilutions	Western Blot, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence 1-2ug/ml, Immunohistochemistry-Paraffin 0.5-1ug/ml, Imaging Mass Cytometry
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.

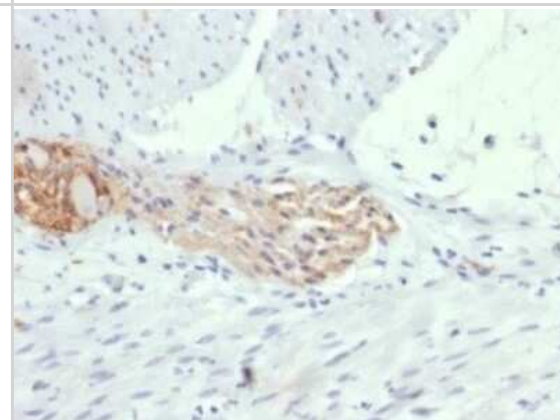


## Images

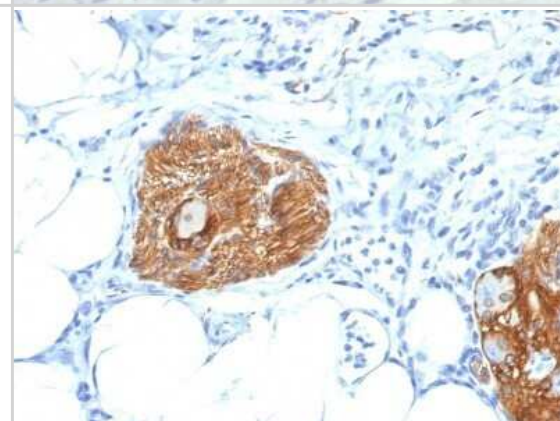
Western Blot: NCAM-1/CD56 Antibody (123A8 (same as 56C04)) - Azide and BSA Free [NBP2-34518] - Western blot analysis of human brain tissue lysate using NCAM-1/CD56 antibody (123A8 (same as 56C04)).



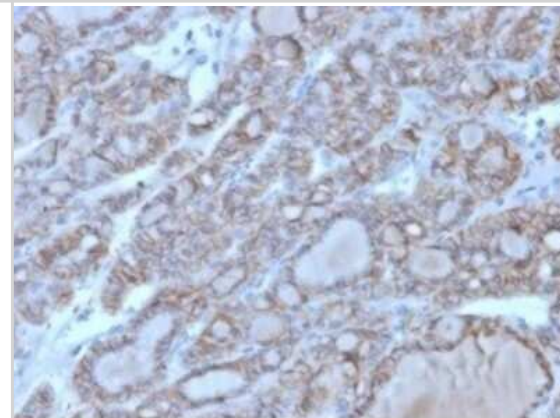
Immunohistochemistry-Paraffin: NCAM-1/CD56 Antibody (123A8 (same as 56C04)) - Azide and BSA Free [NBP2-34518] - Formalin-fixed, paraffin-embedded human colon stained with NCAM-1/CD56 Antibody (123A8 (same as 56C04)).



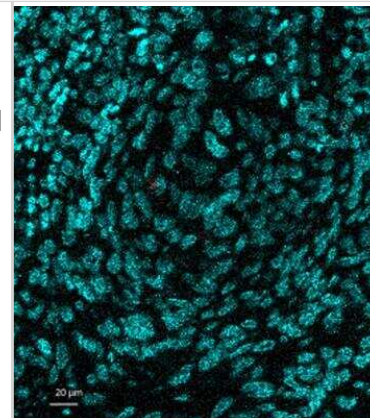
Immunohistochemistry-Paraffin: NCAM-1/CD56 Antibody (123A8 (same as 56C04)) - Azide and BSA Free [NBP2-34518] - Formalin-fixed, paraffin-embedded human Pancreas stained with NCAM-1/CD56 Antibody (123A8 (same as 56C04)).



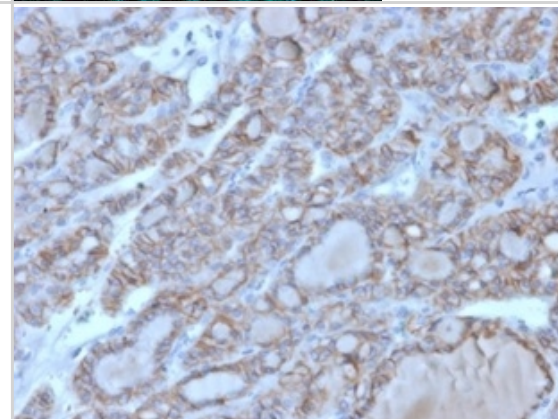
Immunohistochemistry-Paraffin: NCAM-1/CD56 Antibody (123A8 (same as 56C04)) - Azide and BSA Free [NBP2-34518] - Formalin-fixed, paraffin-embedded human thyroid stained with NCAM-1/CD56 Antibody (123A8 (same as 56C04)). HIER: Tris/EDTA, pH9.0, 45min. HRP-polymer, 30min. DAB, 5min.



Imaging Mass Cytometry: NCAM-1/CD56 Antibody (123A8 (same as 56C04)) - Azide and BSA Free [NBP2-34518] - Image of human cutaneous squamous cell carcinoma tumor stained with Anti-NCAM-1/CD56 Azide/BSA Free Antibody [123A8] (in red). IMC image submitted by a verified customer review.



Formalin-fixed, paraffin-embedded human thyroid stained with NCAM-1/CD56 antibody (123A8 (same as 56C04)). HIER: Tris/EDTA, pH9.0, 45min. Secondary: HRP-polymer, 30min. DAB, 5min.



## Publications

Mundy-Bosse BL, Weigel C, Wu YZ Et al. Identification and Targeting of the Developmental Blockade in Extranodal Natural Killer/T-cell Lymphoma Blood Cancer Discov 2022-03-05 [PMID: 35247900] (IF/IHC)

Details:

Citation using the Azide and BSA Free version of this antibody.



### **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](http://www.novusbio.com)  
Technical Support: nb-technical@bio-techne.com  
Orders: nb-customerservice@bio-techne.com  
General: novus@novusbio.com

### **Products Related to NBP2-34518-0.1mg**

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-43319-0.5mg	Mouse IgG1 Kappa Isotype Control (P3.6.2.8.1)
NBP3-07122-50ug	Recombinant Human NCAM-1/CD56 His Protein

### **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.

For more information on our 100% guarantee, please visit [www.novusbio.com/guarantee](http://www.novusbio.com/guarantee)

Earn gift cards/discounts by submitting a review: [www.novusbio.com/reviews/submit/NBP2-34518](http://www.novusbio.com/reviews/submit/NBP2-34518)

Earn gift cards/discounts by submitting a publication using this product:  
[www.novusbio.com/publications](http://www.novusbio.com/publications)

