Product Datasheet

NCAM-1/CD56 Antibody (123C3.D5) - Azide and BSA Free
NBP2-33132

Unit Size: 0.1 mg

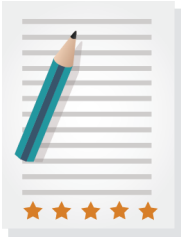
Store at -20 to -80C. Avoid freeze-thaw cycles.

www.novusbio.com technical@novusbio.com

Publications: 2

Protocols, Publications, Related Products, Reviews, Research Tools and Images at:
www.novusbio.com/NBP2-33132

Updated 4/13/2025 v.20.1



NBP2-33132

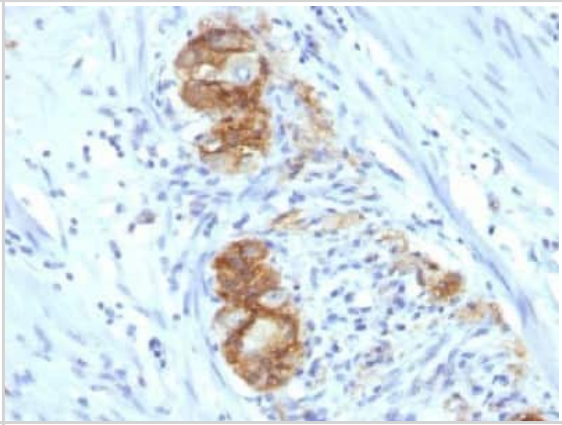
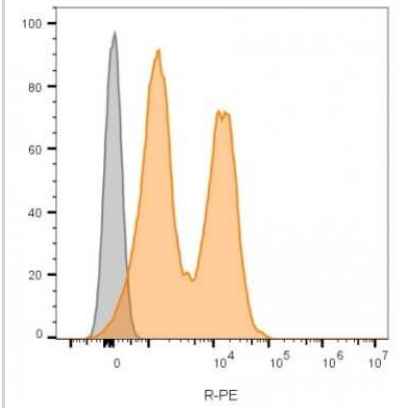
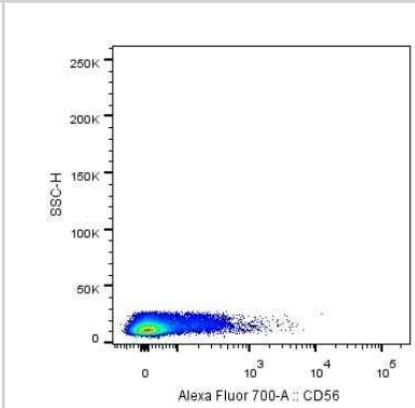
NCAM-1/CD56 Antibody (123C3.D5) - Azide and BSA Free

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	123C3.D5
Preservative	No Preservative
Isotype	IgG1 Kappa
Purity	Protein A or G purified
Buffer	10 mM PBS

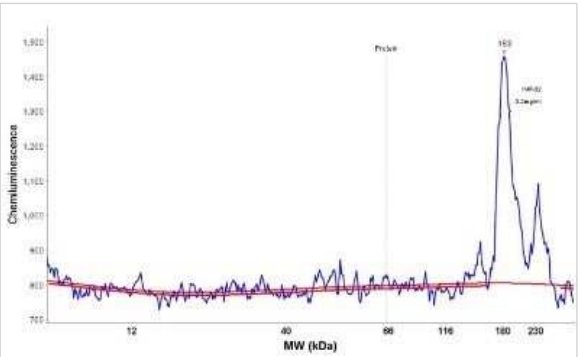
Product Description	
Description	1.0 mg/ml of antibody purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS WITHOUT BSA & azide. Also available at 200 ug/ml WITH BSA & azide (NBP2-15184). Antibody with azide - store at 2 to 8C. Antibody without azide - store at -20 to -80C.
Host	Mouse
Gene ID	4684
Gene Symbol	NCAM1
Species	Human, Rat
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	Simple Western, Flow Cytometry, Flow (Cell Surface), Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Simple Western, Flow Cytometry, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry-Paraffin, 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. In Simple Western only 10 - 15 ul of the recommended dilution is used per data point. Separated by Size.

Images

Immunohistochemistry-Paraffin: NCAM-1/CD56 Antibody (123C3.D5) - Azide and BSA Free [NBP2-33132] - Formalin-fixed paraffin-embedded human colon Ganglion stained with CD56 Monoclonal antibody (123C3.D5)	
Flow Cytometry: NCAM-1/CD56 Antibody (123C3.D5) - Azide and BSA Free [NBP2-33132] - Flow cytometry of lymphocyte gated PBMCs unstained (gray) orstained with CF568-labeled NCAM-1/CD56 antibody (123C3.D5) (orange).	
Flow Cytometry: NCAM-1/CD56 Antibody (123C3.D5) - Azide and BSA Free [NBP2-33132] - Analysis of AF700 conjugated CD56 in human PBMC using anti-CD56 antibody. The primary antibody was used at a dilution of 1:100, incubated for 25 min at 4C in 2% human serum, 0.5 mM EDTA in DPBS. Image from verified customer review.	
Simple Western: NCAM-1/CD56 Antibody (123C3.D5) - Azide and BSA Free [NBP2-33132] - Simple Western lane view shows a specific band for NCAM-1/CD56 in 0.2 mg/ml of IMR-32 lysate(s). This experiment was performed under reducing conditions using the 12-230 kDa separation system.	

Simple Western: NCAM-1/CD56 Antibody (123C3.D5) - Azide and BSA Free [NBP2-33132] - Electropherogram image of the corresponding Simple Western lane. NCAM-1/CD56 antibody was used at 10 ug/ml dilution of IMR-32 lysates(s) respectively.



Publications

Jarosch S, KOhlen J, Sarker R Et al. Multiplexed imaging and automated signal quantification in formalin-fixed paraffin-embedded tissues by ChipCytometry Cell Rep Methods 2022-04-27 [PMID: 35475000]

Lassiter BP, Guo S, Beebe SJ. Nano-Pulse Stimulation Ablates Orthotopic Rat Hepatocellular Carcinoma and Induces Innate and Adaptive Memory Immune Mechanisms that Prevent Recurrence. Cancers (Basel) 2018-03-13 [PMID: 29533981] (Rat)

Details:
This citation used 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
Technical Support: nb-technical@bio-techne.com
Orders: nb-customerservice@bio-techne.com
General: novus@novusbio.com

Products Related to NBP2-33132

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

Earn gift cards/discounts by submitting a review: www.novusbio.com/reviews/submit/NBP2-33132

Earn gift cards/discounts by submitting a publication using this product: www.novusbio.com/publications