

# Product Datasheet

## Siglec-3/CD33 Antibody (44M12D3) - BSA Free NBP2-22377

Unit Size: 0.1 mg

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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



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

### Publications: 4

Protocols, Publications, Related Products, Reviews, Research Tools and Images at:  
[www.novusbio.com/NBP2-22377](http://www.novusbio.com/NBP2-22377)

Updated 9/9/2025 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/NBP2-22377](http://www.novusbio.com/reviews/destination/NBP2-22377)



**NBP2-22377**

Siglec-3/CD33 Antibody (44M12D3) - BSA Free

Product Information	
Unit Size	0.1 mg
Concentration	1.0 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	44M12D3
Preservative	0.05% Sodium Azide
Isotype	IgG2a Kappa
Purity	Protein G purified
Buffer	PBS

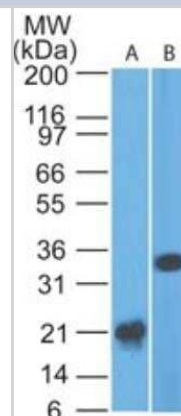
Product Description	
Description	Novus Biologicals Mouse Siglec-3/CD33 Antibody (44M12D3) - BSA Free (NBP2-22377) is a monoclonal antibody validated for use in IHC, WB and ICC/IF. Anti-Siglec-3/CD33 Antibody: Cited in 4 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Mouse
Gene ID	945
Gene Symbol	CD33
Species	Human
Immunogen	Amino acids 42-159 of human CD33 were used as the immunogen for the antibody.

Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Immunohistochemistry
Recommended Dilutions	Western Blot 2-5 ug/ml, Immunohistochemistry 1:20-1:1000, Immunohistochemistry-Paraffin 3-6 ug/ml
Application Notes	Staining of formalin-fixed tissues is enhanced by boiling tissue sections in 10 mM sodium citrate buffer, pH 6.0 for 10-20 min followed by cooling at RT for 20 min.

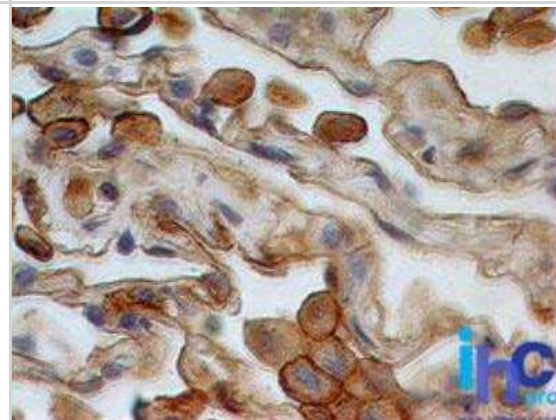


## Images

Western Blot: Siglec-3/CD33 Antibody (44M12D3) [NBP2-22377] - Analysis of CD33 in A) a partial recombinant protein and B) HCT-116 lysate using CD33 antibody at 2 ug/ml. goat anti-mouse Ig HRP secondary antibody and PicoTect ECL substrate solution were used for this test.



Immunohistochemistry-Paraffin: Siglec-3/CD33 Antibody (44M12D3) [NBP2-22377] - Human lung tissue stained with CD33 antibody (3 ug/ml), peroxidase-conjugate and DAB chromogen. Note cytoplasmic and membrane staining.



## Publications

Karam JA, Msaouel P, Haymaker CL et al. Phase II trial of neoadjuvant sitravatinib plus nivolumab in patients undergoing nephrectomy for locally advanced clear cell renal cell carcinoma Nat Commun 2023-05-10 [PMID: 37164948]

Kendall, TJ;Jimenez-Ramos, M;Turner, F;Ramachandran, P;Minnier, J;McColgan, MD;Alam, M;Ellis, H;Dunbar, DR;Kohnen, G;Konanahalli, P;Oien, KA;Bandiera, L;Menolascina, F;Juncker-Jensen, A;Alexander, D;Mayor, C;Guha, IN;Fallowfield, JA; An integrated gene-to-outcome multimodal database for metabolic dysfunction-associated steatotic liver disease Nature medicine 2023-10-30 [PMID: 37903863]

Bockorny B, Semenisty V, Macarulla T et al. BL-8040, a CXCR4 antagonist, in combination with pembrolizumab and chemotherapy for pancreatic cancer: the COMBAT trial Nat. Med. 2020-05-25 [PMID: 32451495] (ICC/IF, Human)

Falk A, Yazbeck N, Guibert N et al. Effect of mutant variants of the KRAS gene on PD-L1 expression and on the immune microenvironment and association with clinical outcome in lung adenocarcinoma patients Lung Cancer 2018-07-01 [PMID: 29858030] (IF/IHC, 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 NBP2-22377**

---

NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB7539	Goat anti-Mouse IgG (H+L) Secondary Antibody [HRP]
NBP1-96981-0.5mg	Mouse IgG2a Kappa Isotype Control (M2AK)

---

### **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/NBP2-22377](http://www.novusbio.com/reviews/submit/NBP2-22377)

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

