

# 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.

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**NBP2-22377**

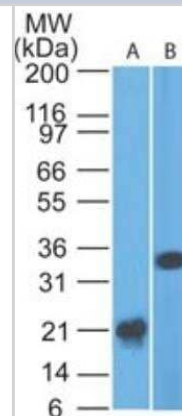
Siglec-3/CD33 Antibody (44M12D3) - BSA Free

<b>Product Information</b>	
<b>Unit Size</b>	0.1 mg
<b>Concentration</b>	1.0 mg/ml
<b>Storage</b>	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
<b>Clonality</b>	Monoclonal
<b>Clone</b>	44M12D3
<b>Preservative</b>	0.05% Sodium Azide
<b>Isotype</b>	IgG2a Kappa
<b>Purity</b>	Protein G purified
<b>Buffer</b>	PBS
<b>Product Description</b>	
<b>Host</b>	Mouse
<b>Gene ID</b>	945
<b>Gene Symbol</b>	CD33
<b>Species</b>	Human
<b>Immunogen</b>	Amino acids 42-159 of human CD33 were used as the immunogen for the antibody.
<b>Product Application Details</b>	
<b>Applications</b>	Western Blot, Immunohistochemistry, Immunohistochemistry-Paraffin
<b>Recommended Dilutions</b>	Western Blot 2-5 ug/ml, Immunohistochemistry 1:20-1:1000, Immunohistochemistry-Paraffin 3-6 ug/ml
<b>Application Notes</b>	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.

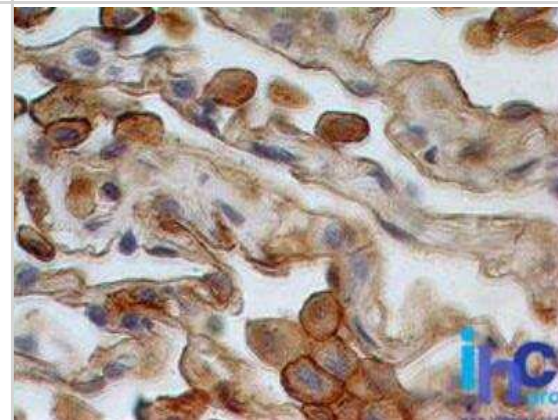


## Images

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

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)



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### **Products Related to NBP2-22377**

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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)
NBP2-22377B	Siglec-3/CD33 Antibody (44M12D3) [Biotin]

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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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