

Product Datasheet

Siglec-3/CD33 Antibody (PSH02-51) NBP3-32147

Unit Size: 100 ul

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

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NBP3-32147

Siglec-3/CD33 Antibody (PSH02-51)

Product Information	
Unit Size	100 ul
Concentration	1 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	PSH02-51
Preservative	0.05% Sodium Azide
Isotype	IgG
Purity	Protein A purified
Buffer	PBS (pH7.4), 0.1% BSA and 40% Glycerol
Target Molecular Weight	40 kDa

Product Description	
Description	Novus Biologicals Rabbit Siglec-3/CD33 Antibody (PSH02-51) (NBP3-32147) is a recombinant monoclonal antibody validated for use in WB, Flow and ICC/IF. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	945
Gene Symbol	CD33
Species	Human
Immunogen	Recombinant protein within human Siglec-3/CD33 aa 1-282 / 364 (P20138). (Uniprot: P20138)

Product Application Details	
Applications	Western Blot, Flow Cytometry, Immunocytochemistry/ Immunofluorescence
Recommended Dilutions	Western Blot 1:2000, Flow Cytometry 1:1000, Immunocytochemistry/ Immunofluorescence 1:500



Images

Western Blot: Siglec-3/CD33 Antibody (PSH02-51) [NBP3-32147] - Western blot analysis of Siglec-3/CD33 on different lysates with Rabbit anti-Siglec-3/CD33 antibody (NBP3-32147) at 1/2,000 dilution.

Lane 1: TF-1 cell lysate
Lane 2: Jurkat cell lysate (negative)
Lane 3: SK-MEL-28 cell lysate (negative)

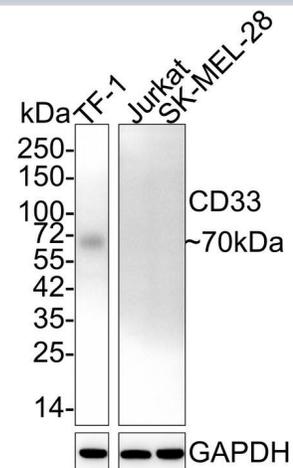
Lysates/proteins at 20 ug/Lane.

Predicted band size: 40 kDa
Observed band size: 70 kDa

Exposure time: 3 minutes;

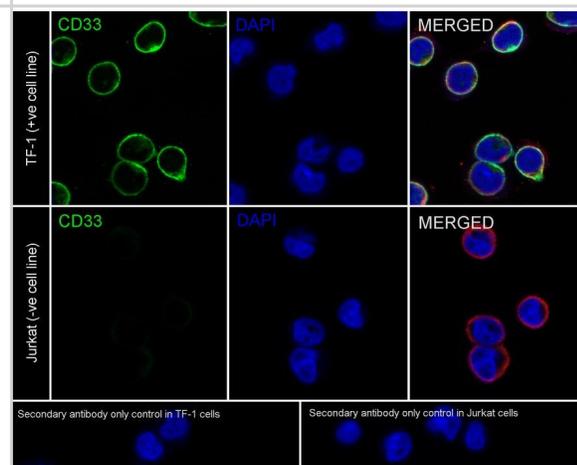
4-20% SDS-PAGE gel.

Proteins were transferred to a PVDF membrane and blocked with 5% NFD/MTBST for 1 hour at room temperature. The primary antibody (NBP3-32147) at 1/2,000 dilution was used in 5% NFD/MTBST at 4°C overnight. Goat Anti-Rabbit IgG - HRP Secondary Antibody at 1/50,000 dilution was used for 1 hour at room temperature.



Immunocytochemistry/ Immunofluorescence: Siglec-3/CD33 Antibody (PSH02-51) [NBP3-32147] - Immunocytochemistry analysis of TF-1 (positive) and Jurkat (negative) labeling Siglec-3/CD33 with Rabbit anti-Siglec-3/CD33 antibody (NBP3-32147) at 1/500 dilution.

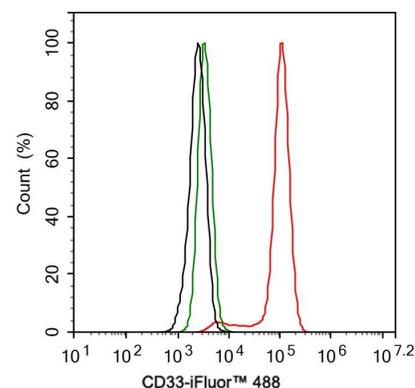
Cells were fixed in 100% precooled methanol for 5 minutes at room temperature, then blocked with 1% BSA in 10% negative goat serum for 1 hour at room temperature. Cells were then incubated with Rabbit anti-Siglec-3/CD33 antibody (NBP3-32147) at 1/500 dilution in 1% BSA in PBST overnight at 4°C. Goat Anti-Rabbit IgG H&L (iFluor™ 488) was used as the secondary antibody at 1/1,000 dilution. PBS instead of the primary antibody was used as the secondary antibody only control. Nuclear DNA was labelled in blue with DAPI.



Beta tubulin (red) was stained at 1/100 dilution overnight at +4°C. Goat Anti-Mouse IgG H&L (iFluor™ 594) was used as the secondary antibody at 1/1,000 dilution.

Flow Cytometry: Siglec-3/CD33 Antibody (PSH02-51) [NBP3-32147] - Flow cytometric analysis of TF-1 cells labeling Siglec-3/CD33.

Cells were washed twice with cold PBS and resuspend. Then stained with the primary antibody (NBP3-32147, 1µg/mL) (red) compared with Rabbit IgG Isotype Control (green). After incubation of the primary antibody at +4°C for an hour, the cells were stained with a iFluor™ 488 conjugate-Goat anti-Rabbit IgG Secondary antibody at 1/1,000 dilution for 30 minutes at +4°C. Unlabelled sample was used as a control (cells without incubation with primary antibody; black).





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Products Related to NBP3-32147

NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control

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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