

Product Datasheet

Siglec-3/CD33 Antibody (PSH02-50) NBP3-32146

Unit Size: 100 ul

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

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NBP3-32146

Siglec-3/CD33 Antibody (PSH02-50)

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	PSH02-50
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 (PSH02-50) (NBP3-32146) 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 1:200



Images

Western Blot: Siglec-3/CD33 Antibody (PSH02-50) [NBP3-32146] - Western blot analysis of Siglec-3/CD33 on different lysates with Rabbit anti-Siglec-3/CD33 antibody (NBP3-32146) at 1/2,000 dilution.

Lane 1: THP-1 cell lysate
 Lane 2: TF-1 cell lysate
 Lane 3: HL-60 cell lysate
 Lane 4: Jurkat cell lysate (negative)
 Lane 5: SK-MEL-28 cell lysate (negative)

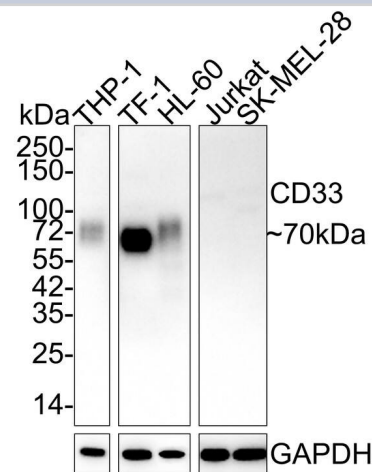
Lysates/proteins at 20 ug/Lane.

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

Exposure time: 3 minutes; ECL;

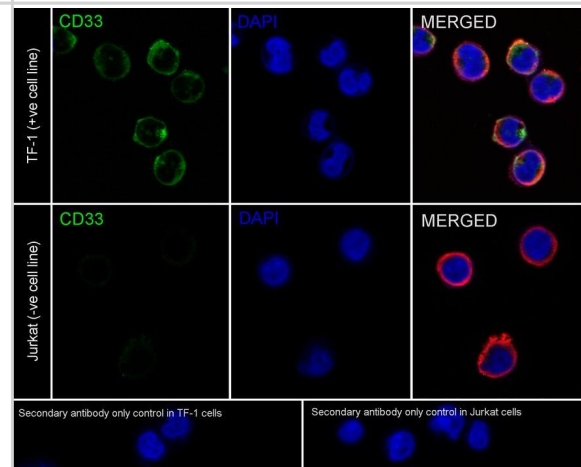
4-20% SDS-PAGE gel.

Proteins were transferred to a PVDF membrane and blocked with 5% NFDm/TBST for 1 hour at room temperature. The primary antibody (NBP3-32146) at 1/2,000 dilution was used in 5% NFDm/TBST 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 (PSH02-50) [NBP3-32146] - Immunocytochemistry analysis of TF-1 (positive) and Jurkat (negative) labeling Siglec-3/CD33 with Rabbit anti-Siglec-3/CD33 antibody (NBP3-32146) at 1/200 dilution.

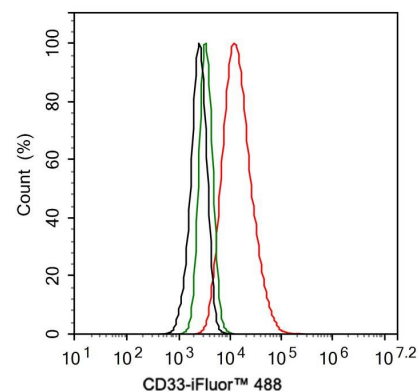
Cells were fixed in 100% precooled methanol for 5 minutes at room temperature, then blocked with 1% BSA in 10% negative goat serum for 1 hour at room temperature. Cells were then incubated with Rabbit anti-Siglec-3/CD33 antibody (NBP3-32146) at 1/200 dilution in 1% BSA in PBST overnight at 4°C. Goat 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 (PSH02-50) [NBP3-32146] - 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 (NBP3-32146, 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).





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 NBP3-32146

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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