

Product Datasheet

Siglec-3/CD33 Antibody (C33/68)

NBP2-32819-0.1mg

Unit Size: 0.1 mg

Store at 4C.

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NBP2-32819-0.1mg

Siglec-3/CD33 Antibody (C33/68)

Product Information	
Unit Size	0.1 mg
Concentration	0.2 mg/ml
Storage	Store at 4C.
Clonality	Monoclonal
Clone	C33/68
Preservative	0.05% Sodium Azide
Isotype	IgG1 Kappa
Purity	Protein A purified
Buffer	PBS with 0.05% BSA.
Target Molecular Weight	67 kDa

Product Description	
Host	Mouse
Gene ID	945
Gene Symbol	CD33
Species	Human
Specificity/Sensitivity	Recognizes a 67kDa glycoprotein, which is identified as CD33. It is a transmembrane protein of the sialic acid-binding immunoglobulin-like lectin (Siglec) family. It belongs to the immunoreceptor tyrosine-based inhibitory motif (ITIM)-containing molecules able of recruiting protein tyrosine phosphatases SHP-1 and SHP-2 to signal assemblies; these ITIMs are also used for ubiquitin-mediated removal of the receptor from the cell surface. CD33 is expressed on cells of myelomonocytic lineage, binds sialic acid residues in N- and O-glycans on cell surfaces, and is a therapeutic target for acute myeloid leukemia. CD33 is expressed on myeloid progenitors, monocytes, granulocytes, dendritic cells and mast cells. It is absent on platelets, lymphocytes, erythrocytes and hematopoietic stem cells.
Immunogen	Recombinant human CD33 protein

Product Application Details	
Applications	Western Blot, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen, Immunoprecipitation
Recommended Dilutions	Western Blot, Flow Cytometry 0.5-1ug/million cells, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence 0.5-1ug/ml, Immunoprecipitation 0.5-1ug/500ug protein lysate, Immunohistochemistry-Frozen 0.5-1ug/ml
Application Notes	Use in Western Blot reported in scientific literature (PMID:32051269).

Publications

Chen L, Feng Z, Yuan G et al. HIV-associated exosomes promote infection of Kaposi sarcoma-associated herpesvirus via epidermal growth factor receptor J. Virol. 2020-02-12 [PMID: 32051269] (WB, Human)





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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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