

Recombinant SIGLEC3 Antibody / Sialic acid-binding Ig-like lectin 3 / CD33 [clone rSIGLEC3/13503] (V5822)

Catalog No.	Formulation	Size
V5822-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V5822-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V5822SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Recombinant **MOUSE MONOCLONAL**

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Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Recombinant Mouse Monoclonal
Isotype	Mouse IgG2b, kappa
Clone Name	rSIGLEC3/13503
Purity	Protein G affinity
UniProt	P20138
Localization	Cell membrane, Cytoplasm
Applications	Immunohistochemistry (FFPE) : 1-2ug/ml
Limitations	This recombinant SIGLEC3 antibody is available for research use only.



Description

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.

Application Notes

Optimal dilution of the recombinant SIGLEC3 antibody should be determined by the researcher.

Immunogen

A portion of amino acids 100-300 from human CD33 protein was used as the immunogen for the recombinant SIGLEC3 antibody.

Storage

Aliquot the recombinant SIGLEC3 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.