

## 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
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.