

Datasheet for ABIN2180756

CD33 Protein (CD33) (AA 18-259) (His tag)[Go to Product page](#)**2** Images

Overview

Quantity:	100 µg
Target:	CD33
Protein Characteristics:	AA 18-259
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This CD33 protein is labelled with His tag.

Product Details

Sequence:	AA 18-259
Characteristics:	This protein carries a polyhistidine tag at the C-terminus. The protein has a calculated MW of 27.6 kDa. The protein migrates as 40-45 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.
Purity:	>95 % as determined by SDS-PAGE.
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1.0 EU per µg by the LAL method.

Target Details

Target:	CD33
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Target Details

Alternative Name: Siglec-3 ([CD33 Products](#))

Background: Myeloid cell surface antigen CD33 is also known as SIGLEC3, Siglecs (sialic acid binding Ig-like lectins) and GP67, is a single-pass type I membrane protein which belongs to the immunoglobulin superfamily and SIGLEC (sialic acid binding Ig-like lectin) family. Human CD33 / Siglec-3 cDNA encodes a 364 amino acid (aa) polypeptide with a hydrophobic signal peptide, an N-terminal Ig-like V-type domain, one Ig-like C2-type domains, a transmembrane region and a cytoplasmic tail. CD33 / Siglec-3 usually considered myeloid-specific, but it can also be found on some lymphoid cells. In the immune response, CD33 / Siglec-3 may act as an inhibitory receptor upon ligand induced tyrosine phosphorylation by recruiting cytoplasmic phosphatase(s) via their SH2 domain(s) that block signal transduction through dephosphorylation of signaling molecules. CD33 / Siglec-3 induces apoptosis in acute myeloid leukemia.

Molecular Weight: 27.6 kDa

Application Details

Restrictions: For Research Use only

Handling

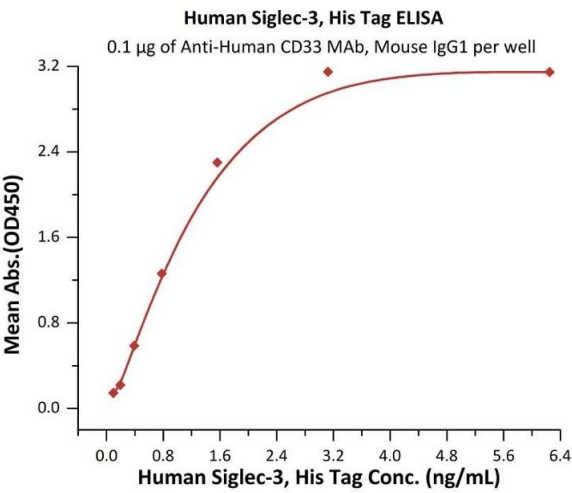
Format: Lyophilized

Buffer: PBS, pH 7.4

Handling Advice: Please avoid repeated freeze-thaw cycles.

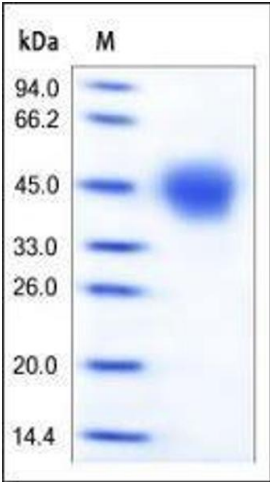
Storage: -20 °C

Storage Comment: No activity loss was observed after storage at: In lyophilized state for 1 year (4 °C-8 °C), After reconstitution under sterile conditions for 1 month (4 °C-8 °C) or 3 months (-20 °C to -70 °C).



ELISA

Image 1. Immobilized A CD33 MAb, Mouse IgG1 at 1 µg/mL (100 µL/well) can bind Human Siglec-3, His Tag (ABIN2180757,ABIN2180756) with a linear range of 0.1-2 ng/mL (QC tested).



SDS-PAGE

Image 2.