Datasheet for ABIN6973265

CD33 Protein (CD33) (AA 18-259) (Fc Tag,FITC)

2 Images

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Overview

Quantity:	200 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 Fc Tag,FITC.

Product Details

Sequence:	AA 18-259
Characteristics:	Human Siglec-7 / CD328 Protein, His Tag (MALS verified)
Purity:	>90 % as determined by SDS-PAGE.
Endotoxin Level:	Less than 1.0 EU per µg by the LAL method.

Target Details

Target:	CD33
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

Target Details

	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:	52.9 kDa

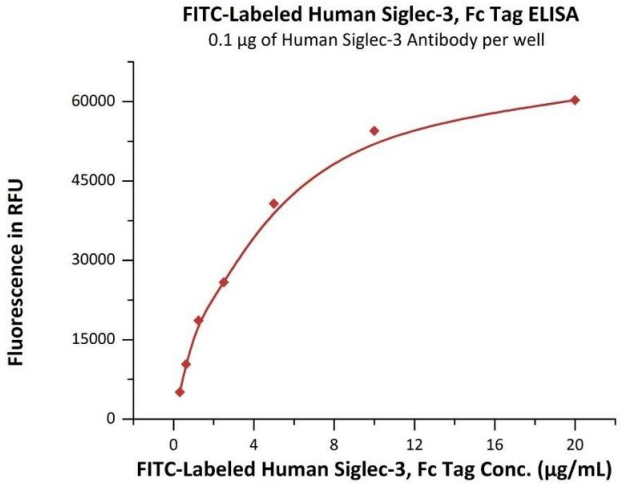
Application Details

Restrictions:	For Research Use only

Handling

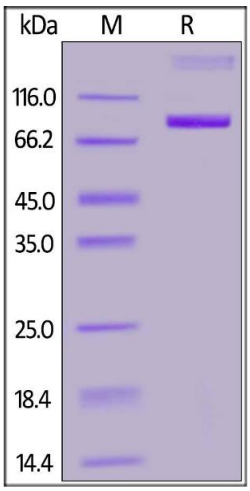
Format:	Lyophilized
Buffer:	PBS, pH 7.4
Storage:	-20 °C

Images



ELISA

Image 1. Immobilized Human Siglec-3 Antibody at 1 μg/mL (100 μL/well) can bind Fed Human Siglec-3, Fc Tag (ABIN6973265) with a linear range of 0.313-5 μg/mL (QC tested).



SDS-PAGE

Image 2. Fed Human Siglec-3, Fc Tag on under reducing (R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 90 % .