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Datasheet for ABIN1097538

CD33 Protein (CD33) (AA 18-259) (His tag,Fc Tag)

Overview

Quantity:	50 µg
Target:	CD33
Protein Characteristics:	AA 18-259
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CD33 protein is labelled with His tag,Fc Tag.

Product Details

Purpose:	Recombinant Human Sialic Acid Binding Ig-Like Lectin 3/Siglec-3/CD33 (C-Fc-6His)
Sequence:	<p>DPNFWLQVQE SVTVQEGLCV LVPCTFFHPI PYYDKNSPVH GYWFREGAI SGDSPVATNK LDQEVQEETQ GRFRLLDGPS RNNCSLSIVD ARRRDNGSYF FRMERGSTKY SYKSPQLSVH VTDLTHRPKI LIPGTLEPGH SKNLTCVSW ACEQGTPIF SWLSAAPTSL GPRTTSSVL IITPRPDHG TNLTCQVKFA GAGVTTERI QLNVTYVPQN PTTGIFPGDG SGKQETRAGV VHTSDIEGRM DEPKSCDKTH TCPPCPAPEL LGGPSVFLFP PKPKDTLMIS RTPEVTCVVV DVSHEDPEVK FNWYVDGVEV HNAKTKPREE QYNSTYRVVS VLTVLHQDWL NGKEYKCKVS ?NKALPAPIEK TISKAKGQPR EPQVYTLPPS REEMTKNQVS LTCLVKGFYP SDIAVEWESN GQPENNYKTT PPVLDSDGSF FLYSKLTVDK SRWQQGNVFS CSVMHEALHN HYTQKSLSL PGKVDHHHHH H</p>
Characteristics:	Recombinant Human CD33 is produced with our mammalian expression system in human cells. The target protein is expressed with sequence (Asp18-His259) of Human CD33 with a C-terminal Fc fusion tag and His tag.

Product Details

Purity:	> 95 % as determined by reducing SDS-PAGE.
Sterility:	0.2 µm filtered
Endotoxin Level:	Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test

Target Details

Target:	CD33
Alternative Name:	cd33 (CD33 Products)
Sub Type:	Fusionprotein
Background:	<p>CD33 is a type I Lectin belonging to the Ig superfamily. CD33 contains an N terminal Ig like V type domain, which mediates sialic acid binding, followed by one Ig like C2 type domain, a transmembrane region and a cytoplasmic tail containing two conserved immunoreceptor tyrosine based inhibition motifs (ITIMs). Eleven human Siglecs have been characterized. Siglecs 5 to 11 share a high degree of sequence similarity with CD33/Siglec3 both in their extracellular and intracellular regions. They are collectively referred to as CD33 related Siglecs. CD33 related Siglecs have differential expression pattern within the hematopoietic system. They are involved in the regulation of cellular activation within the immune system. Siglec 3 expression is restricted to cells of myelomonocytic lineage. Siglec3 recruits SHP1 and SHP2 to its ITIMs upon phosphorylation.</p> <p>Alternative Names: Myeloid Cell Surface Antigen CD33, Sialic Acid-Binding Ig-Like Lectin 3, Siglec-3, gp67, CD33, SIGLEC3</p>
Molecular Weight:	55.01 kDa
UniProt:	P20138

Application Details

Restrictions:	For Research Use only
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Handling

Format:	Lyophilized
Reconstitution:	<p>It is not recommended to reconstitute to a concentration less than 100 µg/mL.</p> <p>Dissolve the lyophilized protein in ddH2O.</p> <p>Please aliquot the reconstituted solution to minimize freeze-thaw cycles.</p>

Handling

Buffer:	Lyophilized from a 0.2 µm filtered solution of 20 mM PB, 150 mM NaCl, 2 mM EDTA, pH 7.2.
Handling Advice:	Always centrifuge tubes before opening. Do not mix by vortex or pipetting.
Storage:	4 °C/-20 °C/-80 °C
Storage Comment:	Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
Expiry Date:	3 months