

Active Recombinant Human CD33 protein, Avi-His-tagged, Biotinylated

Cat. No. CD33-268H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Biotinylated Recombinant Human CD33 protein(Asp 18 - His 259), fused with Avi and His tag, was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	Asp 18 - His 259
Form	Lyophilized from 0.22 µm filtered solution in PBS, pH7.4, 10% trehalose.
Bio-activity	Immobilized anti human CD33 MAb, Mouse IgG1 (Clone # 6C5/2) at 2 µg/mL (100 µL/well) can bind Biotinylated Human Siglec-3, Avitag,His Tag with a linear range of 0.078-2.5 ng/mL.
Molecular Mass	This protein carries an Avi tag (Avitag) at the C-terminus, followed by a polyhistidine tag.The protein has a calculated MW of 29.4 kDa. The protein migrates as 45-55 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.
Endotoxin	Less than 1.0 EU per µg by the LAL method.
Purity	>95% as determined by SDS-PAGE. >90% as determined by SEC-MALS.
Storage	For long term, the product should be stored at lyophilized state at -20°C or

 Tel: 1-631-559-9269 1-516-512-3133

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lower. Please avoid repeated freeze-thaw cycles. This product is stable after at: -20°C to -70°C for 12 months in lyophilized state; -70°C for 3 months under sterile conditions after reconstitution.

Reconstitution

It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

Conjugation

Biotin

GENE INFORMATION

Gene Name

CD33 CD33 molecule [Homo sapiens]

Official Symbol

CD33

Synonyms

CD33; CD33 molecule; CD33 antigen (gp67); myeloid cell surface antigen CD33; FLJ00391; p67; sialic acid binding Ig like lectin 3; SIGLEC 3; SIGLEC3; gp67; sialic acid binding Ig-like lectin 3; sialic acid-binding Ig-like lectin 3; SIGLEC-3;

Gene ID

945

mRNA Refseq

NM_001082618

Protein Refseq

NP_001076087

MIM

159590

UniProt ID

P20138

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