

Active Recombinant Human CD33 protein, His-tagged

Cat. No. CD33-7815H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CD33(AAH28152.1)(Asp 18 - His 259), fused with His Tag, is expressed from human 293 cells (HEK293).
Species	Human
Source	HEK293
ProteinLength	Asp 18 - His 259
Form	Lyophilized from 0.22 µm filtered solution in PBS, pH7.4. Normally trehalose is added as protectant before lyophilization.
Bio-activity	Immobilized Anti-Human CD33 MAb, Mouse IgG1 at 1 µg/mL (100 µL/well) can bind Human Siglec-3, His Tag with a linear range of 0.1-2 ng/mL.
Molecular Mass	The protein has a calculated MW of 27.6 kDa. The protein migrates as 43-55 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 storage, the product should be stored at lyophilized state at -20 centigrade or lower.

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

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Please avoid repeated freeze-thaw cycles.
This product is stable after storage at:
-20 centigrade to -70 centigrade for 12 months in lyophilized state;
-70 centigrade 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.

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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