

Human CellExp CD33 / SIGLEC-3, human recombinant protein
CD33, SIGLEC3, gp67
Catalog # PBV10993r**Specification**

Human CellExp CD33 / SIGLEC-3, human recombinant protein - Product infoPrimary Accession
Calculated MW[P20138](#)

This protein is fused with C-terminal 6×His tag, has a calculated MW of 27.6 kDa expressed. The predicted N-terminus is Asp 18. Protein migrates as 40-45 kDa in reduced SDS-PAGE. KDa

Human CellExp CD33 / SIGLEC-3, human recombinant protein - Additional InfoGene ID
Gene Symbol
Other Names
CD33, SIGLEC3, gp67**945**
CD33Gene Source
Source
Assay&Purity
Assay2&Purity2
Recombinant
Results**Human**
HEK293 cells
SDS-PAGE; ≥95%
N/A;
Yes
Measured by the ability of the immobilized protein to support the adhesion of human red blood cells. The ED50 for this effect is typically 0.2-1.2 µg/ml.**Target/Specificity**
CD33/SIGLEC-3**Application Notes**

Centrifuge the vial prior to opening. Reconstitute in sterile PBS, pH 7.4 to a concentration of 50 µg/ml. Do not vortex. This solution can be stored at 2-8°C for up to 1 month. For extended storage, it is recommended to store at -20°C.

Format
Lyophilized**Storage**
-20°C; Lyophilized from 0.22 µm filtered solution in PBS, pH7.4. Generally 5-8% Mannitol or trehalose is added as a protectant before lyophilization.**Human CellExp CD33 / SIGLEC-3, human recombinant protein - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Human CellExp CD33 / SIGLEC-3, human recombinant protein - Images

Human CellExp CD33 / SIGLEC-3, human recombinant protein - Background

Myeloid cell surface antigen CD33 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.

Human CellExp CD33 / SIGLEC-3, human recombinant protein - References

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