


Human CD33/Siglec-3 protein, His tag (Animal-Free)

Cat #: PRP2032

Size: 10 µg/50 µg/100 µg/1 mg

Product Information

	Product Name: Human CD33/Siglec-3 protein, His tag (Animal-Free)		
REF	Catalog Number: PRP2032	LOT	Lot Number: Refer to product label
	Purity: >95% as determined by SDS-PAGE		
	Storage: Store at -20°C		Preparation method: HEK 293 Cells
	Shipping: The product is shipped at ambient temperature.		

Background: The transmembrane protein CD33 is a sialic acid-binding immunoglobulin-like lectin that mediate the cell-cell interaction and inhibiting normal functions of immune cells. CD33 (siglec-3), a well-known target in leukemia therapy, is an inhibitory sialoadhesin expressed in human leukocytes of the myeloid lineage and some lymphoid subsets, including NK cells. It may constitute a control mechanism of the innate immune system. In the brain, CD33 is mainly expressed on microglial cells.

Sequence: Amino acid sequence derived from human CD33 protein (AAA51948, Met1-His259) was expressed with a polyhistidine tag at the C-terminus.

Protein length: The recombinant human CD33 protein consists of 248 amino acids and predicts a molecular mass of 27.3 kD. The apparent molecular mass of the human CD33 is approximately 40-55 kDa in SDS-PAGE under reducing conditions due to glycosylation.

Biological Activity: Testing in progress.

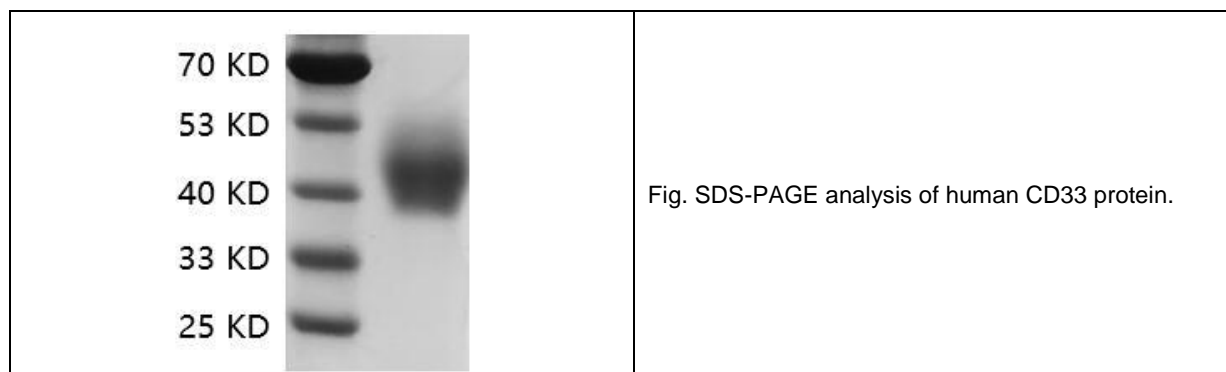
Endotoxin: <0.1 EU per µg of the protein as determined by the LAL method.

Formulation: 0.22 µm filtered protein solution is in PBS, pH 7.4.

Storage Instructions: Lyophilized human CD33 protein product should be stored desiccated below -18°C. Upon reconstitution, the protein should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

Usage notes: Always centrifuge tubes before opening. It is recommended to reconstitute the lyophilized human CD33 protein

using the buffer we provided not less than 100 µg/mL, which can then be further diluted to other aqueous solutions.



Note: The product listed herein is for research use only and is not intended for use in human or clinical diagnosis. Suggested applications of our products are not recommendations to use our products in violation of any patent or as a license. We can not be responsible for patent infringements or other violations that may occur with the use of this product.