PRODUCT INFORMATION

Target	CD33
Synonyms	gp67;Siglec-3
Description	Recombinant mouse CD33 protein with C-terminal human Fc tag
Delivery	In Stock
Uniprot ID	Q63994
Expression Host	HEK293
Tag	C-Human Fc Tag
Molecular Characterization	Mouse CD33(Asp18-Glu240) hFc(Glu99-Ala330)
Molecular Weight	The protein has a predicted molecular mass of 50.8 kDa after removal of the signal peptide.The apparent molecular mass of mCD33-hFc is approximately 55-70 kDa due to glycosylation.
Purity	The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue staining.
Formulation & Reconstitution	Lyophilized from sterile PBS, pH 7.4. Normally 5 % – 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions of reconstitution.
Storage&Shipping	Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.
Background	Sialic-acid-binding immunoglobulin-like lectin (Siglec) that plays a role in mediating cell-cell interactions and in maintaining immune cells in a resting state (By similarity). Preferentially binds sialic acid to the short O-linked glycans of certain mucins (PubMed:12773563).[UniProtKB/Swiss-Prot Function]
Usage	Research use only
Conjugate	Unconjugated

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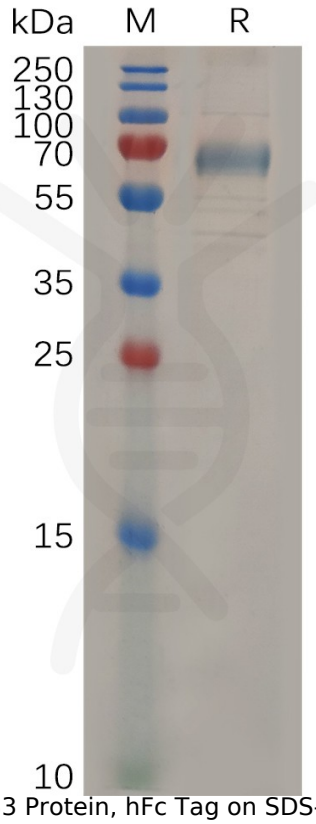


Figure 1. Mouse CD33 Protein, hFc Tag on SDS-PAGE under reducing condition

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