## PRODUCT INFORMATION

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| **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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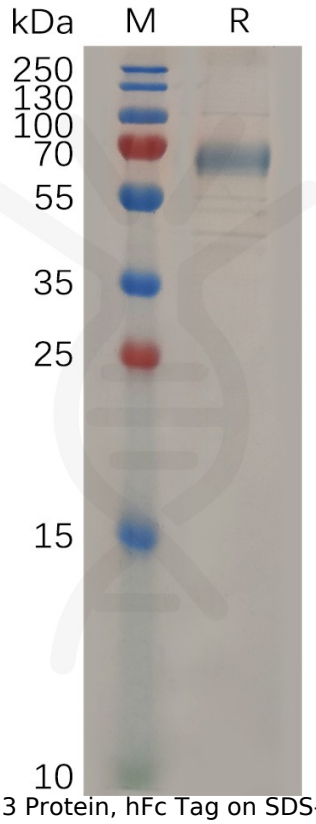


Figure 1. Mouse CD33 Protein, hFc Tag on SDS-PAGE under reducing condition



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