

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.                                                                  |
| Sterility                    | Products are supplied non-sterile. For cell culture applications, dilute in appropriate medium and sterile-filter (0.22 µm) prior to use.                                                                                                                                                                            |
| 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                                                                                                                                                                                                                                                                                                         |



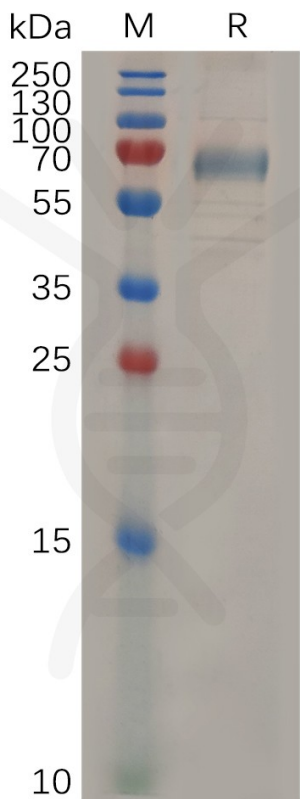


Figure 1. Mouse CD33 Protein, hFc Tag on SDS-PAGE under reducing condition

