

MOUSE CD33 PROTEIN, HFC TAG

Cat.#: 12139

Product Name: Mouse CD33 Protein

Size: 10 µg, 50 µg and 100 µg

Synonyms: gp67;Siglec-3

Target: CD33

UNIPROT ID: Q63994

Description: Recombinant mouse CD33 protein with C-terminal human Fc tag

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]

Species/Host: HEK293

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.

Molecular Characterization: Mouse CD33(Asp18-Glu240) hFc(Glu99-Ala330)

Purity: The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue staining.

Formulation & Reconstitution: Lyophilized from nanodisc solubilization buffer (20 mM Tris-HCl, 150 mM NaCl, pH 8.0). Normally 5% – 8% trehalose is added as protectants before lyophilization.

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.