

MOUSE CD34 PROTEIN, HFC TAG

Cat.#: 12188

Product Name: Mouse CD34 Protein

Size: 10 µg, 50 µg and 100 µg

Synonyms: Hematopoietic progenitor cell antigen CD34;Cd34

Target: CD34

UNIPROT ID: Q64314

Description: Recombinant mouse CD34 protein with C-terminal human Fc tag

Background: Possible adhesion molecule with a role in early hematopoiesis by mediating the attachment of stem cells to the bone marrow extracellular matrix or directly to stromal cells. Could act as a scaffold for the attachment of lineage specific glycans, allowing stem cells to bind to lectins expressed by stromal cells or other marrow components. Presents carbohydrate ligands to selectins (By similarity).[UniProtKB/Swiss-Prot Function]

Species/Host: HEK293

Molecular Weight: The protein has a predicted molecular mass of 53.3 kDa after removal of the signal peptide. The apparent molecular mass of mCD34-hFc is approximately 70-100 kDa due to glycosylation.

Molecular Characterization: Mouse CD34(Thr35-Thr287) 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.

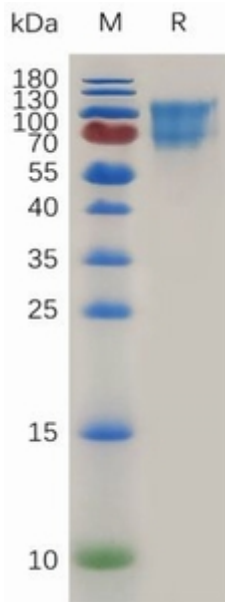


Figure 1. Mouse CD34 Protein, hFc Tag on SDS-PAGE under reducing condition.