

HUMAN CD34 PROTEIN, HIS TAG

Cat.#: 11280

Product Name: Human CD34 Protein

Size: 10 µg, 50 µg and 100 µg

Synonyms: CD34 Molecule

Target: CD34

UNIPROT ID: P28906

Description: Recombinant human CD34 protein with C-terminal 6xHis tag

Background: The protein encoded by this gene may play a role in the attachment of stem cells to the bone marrow extracellular matrix or to stromal cells. This single-pass membrane protein is highly glycosylated and phosphorylated by protein kinase C. Two transcript variants encoding different isoforms have been found for this gene.

Species/Host: HEK293

Molecular Weight: The protein has a predicted molecular mass of 28.3 kDa after removal of the signal peptide.

Molecular Characterization: CD34(Ser32–Thr290) 6×His tag

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.

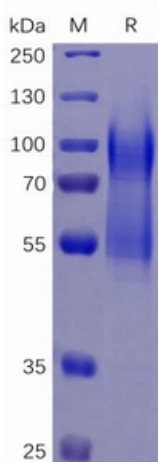


Figure 1. Human CD34 Protein, His Tag on SDS-PAGE under reducing condition.

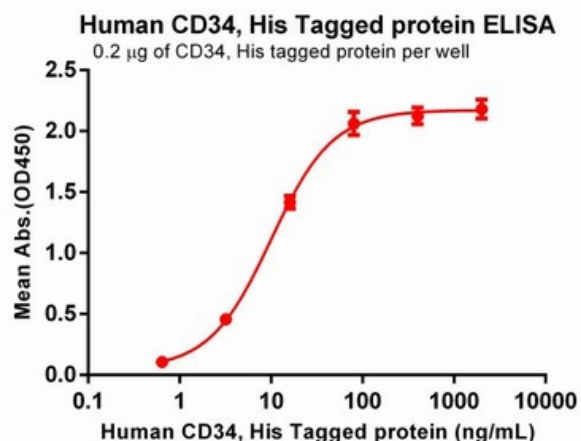


Figure 2. ELISA plate pre-coated by 2 µg/ml (100 µl/well) Human CD34 Protein, His Tag (11280) can bind Anti-CD34 antibody(DM134), Rabbit mAb in a linear range of 0.64–3.20 ng/mL.