

HUMAN CD24 PROTEIN, HFC TAG**Cat.#:** 11733**Product Name:** Human CD24 Protein**Size:** 10 µg, 50 µg and 100 µg**Synonyms:** CD24;CD24A**Target:** CD24**UNIPROT ID:** P25063**Description:** Recombinant human CD24 Protein with C-terminal Human Fc tag**Background:** This gene encodes a sialoglycoprotein that is expressed on mature granulocytes and B cells and modulates growth and differentiation signals to these cells. The precursor protein is cleaved to a short 32 amino acid mature peptide which is anchored via a glycosyl phosphatidylinositol (GPI) link to the cell surface. This gene was missing from previous genome assemblies, but is properly located on chromosome 6. Non-transcribed pseudogenes have been designated on chromosomes 1, 15, 20, and Y. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Apr 2014]**Species/Host:** HEK293**Molecular Weight:** The protein has a predicted molecular mass of 29.3 kDa after removal of the signal peptide. The apparent molecular mass of CD24-hFc is approximately 35–55 kDa due to glycosylation.**Molecular Characterization:** CD24(Ser27–Gly59) 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.

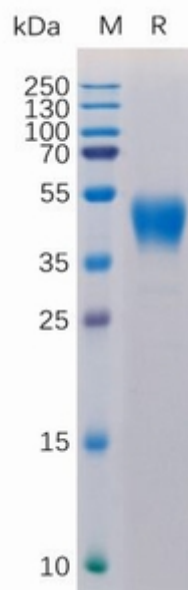


Figure 1. Human CD24 Protein, hFc Tag on SDS-PAGE under reducing condition.