

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.

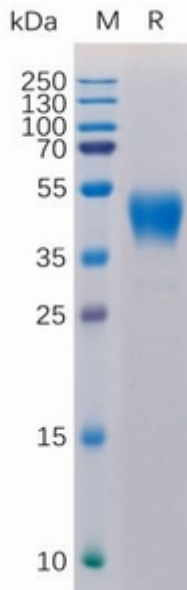


Figure 1. Human CD24 Protein, hFc Tag on SDS-PAGE under reducing condition.