HUMAN CD19 PROTEIN, HFC-HIS TAG

Cat.#: 11165

Product Name: Human CD19 Protein

Size : 10 µg, 50 µg and 100 µg

Synonyms: CD19;4;VID3;GC12802

Target: CD19

UNIPROT ID: P15391

Description: Recombinant human CD19 Protein with C-terminal Human Fc and 6xHis tag

Background: Lymphocytes proliferate and differentiate in response to various concentrations of different antigens. The ability of the B cell to respond in a specific, yet sensitive manner to the various antigens is achieved with the use of low-affinity antigen receptors. This gene encodes a cell surface molecule which assembles with the antigen receptor of B lymphocytes in order to decrease the threshold for antigen receptor-dependent stimulation.

Species/Host: HEK293

Molecular Weight: The protein has a predicted molecular mass of 57.1 kDa after removal of the signal peptide.The apparent molecular mass of CD19-hFc-His is approximately 70-100 kDa due to glycosylation.

Molecular Characterization: CD19(Pro20-Lys291) hFc(Glu99-Ala330) 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.

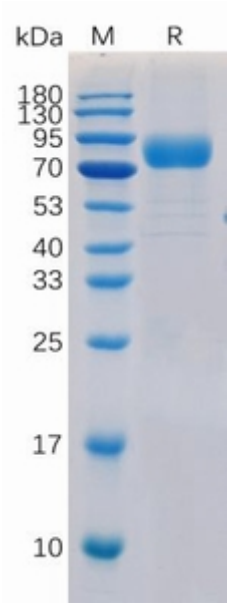

Figure 1. Human CD19 Protein, hFc-His Tag on SDS-PAGE under reducing condition.