# HUMAN CD19 PROTEIN, MFC TAG

**Cat.#:** 11569

**Product Name:** Human CD19 Protein

**Size :** 10 µg, 50 µg and 100 µg

**Synonyms:** B4;CVID3;MGC12802

**Target:** CD19

**UNIPROT ID:** P15391

**Description:** Recombinant human CD19 protein with C-terminal mouse Fc 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 56.3 kDa after removal of the signal peptide. The apparent molecular mass of CD19-mFc is approximately 70-100 kDa due to glycosylation.

**Molecular Characterization:** CD19(Pro20-Lys291) mFc(Pro99-Lys330)

**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.

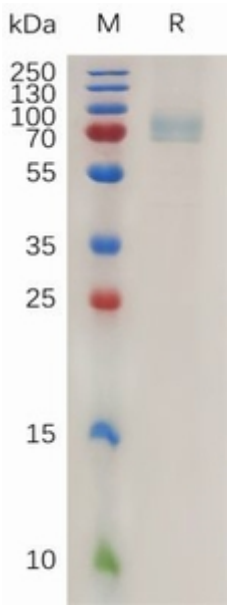


Figure 1. Human CD19 Protein, mFc Tag on SDS-PAGE under reducing condition.