CYNOMOLGUS CXCL10 PROTEIN, HFC TAG

Cat.#: 12108

Product Name: Cynomolgus CXCL10 Protein

Size : 10 µg, 50 µg and 100 µg

Synonyms: Gamma-IP10;IP-10;SCYB10;INP10

Target: CXCL10

UNIPROT ID: F7H741

Description: Recombinant Cynomolgus CXCL10 protein with C-terminal human Fc tag

Background: (C-X-C motif) ligand (CXCL)10 (CXCL10) belongs to the ELR(-) CXC subfamily chemokine. CXCL10/IP-10 exerts its function through binding to chemokine (C-X-C motif) receptor 3 (CXCR3), a seven trans-membrane receptor coupled to G proteins. CXCL10/IP-10 and its receptor, CXCR3, appear to contribute to the pathogenesis of many autoimmune diseases, organ specific (such as type 1 diabetes, autoimmune thyroiditis, Graves' disease and ophthalmopathy), or systemic (such as rheumatoid arthritis, psoriatic arthritis, systemic lupus erythematosus, mixed cryoglobulinemia, Sj?gren syndrome, or systemic sclerosis). CXCL10/IP-10 is secreted by several cell types including endothelial cells, fibroblasts, keratinocytes, thyrocytes, preadipocytes, etc. Determination of high level of CXCL10/IP-10 in peripheral fluids is therefore a marker of host immune response.

Species/Host: HEK293

Molecular Weight: The protein has a predicted molecular mass of 34.8 kDa after removal of the signal peptide.The apparent molecular mass of cCXCL10-hFc is approximately 25-55 kDa due to glycosylation.

Molecular Characterization: CXCL10(Ile22-Pro98) 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.

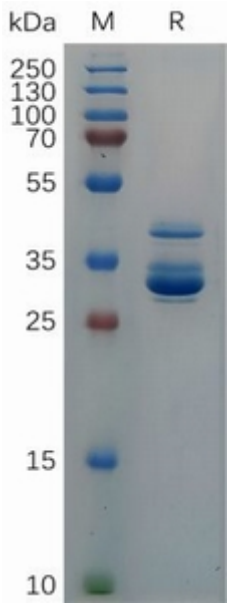

Figure 1. Cynomolgus CXCL10 Protein, hFc Tag on SDS-PAGE under reducing condition.