

32-17709: Recombinant Cynomolgus CXCL10 Protein, hFc Tag

Uniprot ID : F7H741

Alternative Name : Gamma-IP10, IP-10, SCYB10, INP10

Description

Molecular Characterization: CXCL10?Ile22-Pro98?+hFc?Glu99-Ala330?

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.

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

(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, Sjögren 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.

Product Info

Amount : 100 µg / 50 µg

Content : Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8% trehalose is added as protectants before lyophilization.

Storage condition : 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.