

PRODUCT INFORMATION

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| Target | CXCL10 |
| Synonyms | Gamma-IP10;IP-10;SCYB10;INP10 |
| Description | Recombinant Cynomolgus CXCL10 protein with C-terminal human Fc tag |
| Delivery | In Stock |
| Uniprot ID | F7H741 |
| Expression Host | HEK293 |
| Tag | C-Human Fc Tag |
| 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. |
| Purity | The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue staining. |
| Formulation & Reconstitution | Lyophilized from sterile PBS, pH 7.4. Normally 5% - 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions of reconstitution. |
| 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. |
| 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, 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. |
| Usage | Research use only |
| Conjugate | Unconjugated |



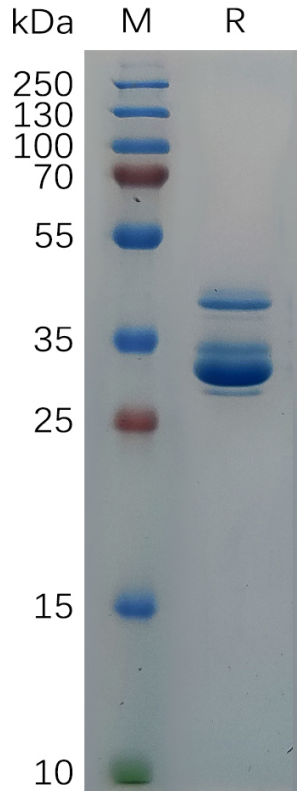


Figure 1. Cynomolgus CXCL10 Protein, hFc Tag on SDS-PAGE under reducing condition.

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