PRODUCT INFORMATION

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, 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.
Usage	Research use only
Conjugate	Unconjugated

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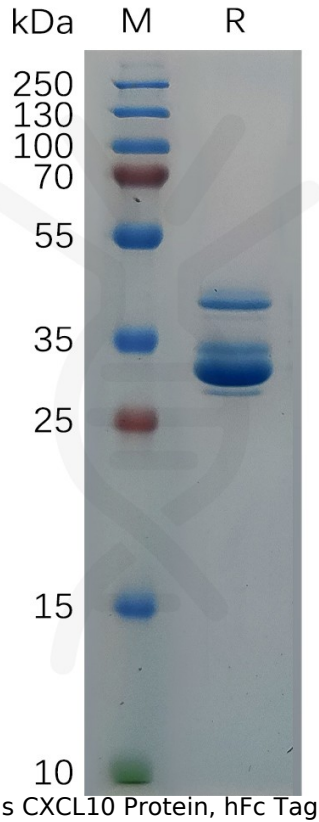


Figure 1. Cynomolgus CXCL10 Protein, hFc Tag on SDS-PAGE under reducing condition.

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