PRODUCT INFORMATION

Target	CXCL10
Synonyms	C7; IFI10; INP10; IP-10; crg-2; mob-1; SCYB10; gIP-10
Description	Recombinant human CXCL10 Protein with N-terminal human Fc tag
Delivery	In Stock
Uniprot ID	P02778
Expression Host	HEK293
Tag	N-Human Fc tag
Molecular Characterization	hFc(Glu99-Ala330) CXCL10(Val22-Pro98)
Molecular Weight	The protein has a predicted molecular mass of 34.8 kDa after removal of the signal peptide.
Purity	The purity of the protein is greater than 90% 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.
Sterility	Products are supplied non-sterile. For cell culture applications, dilute in appropriate medium and sterile-filter (0.22 μm) prior to use.
Background	This antimicrobial gene encodes a chemokine of the CXC subfamily and ligand for the receptor CXCR3. Binding of this protein to CXCR3 results in pleiotropic effects, including stimulation of monocytes, natural killer and T-cell migration, and modulation of adhesion molecule expression. This gene may also be a key regulator of the 'cytokine storm' immune response to SARS-CoV-2 infection. [provided by RefSeq, Sep 2020]
Usage	Research use only
Conjugate	Unconjugated

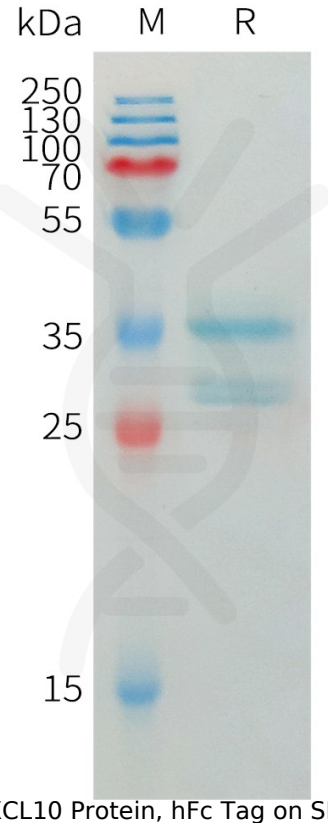

Figure 1. Human CXCL10 Protein, hFc Tag on SDS-PAGE under reducing condition.

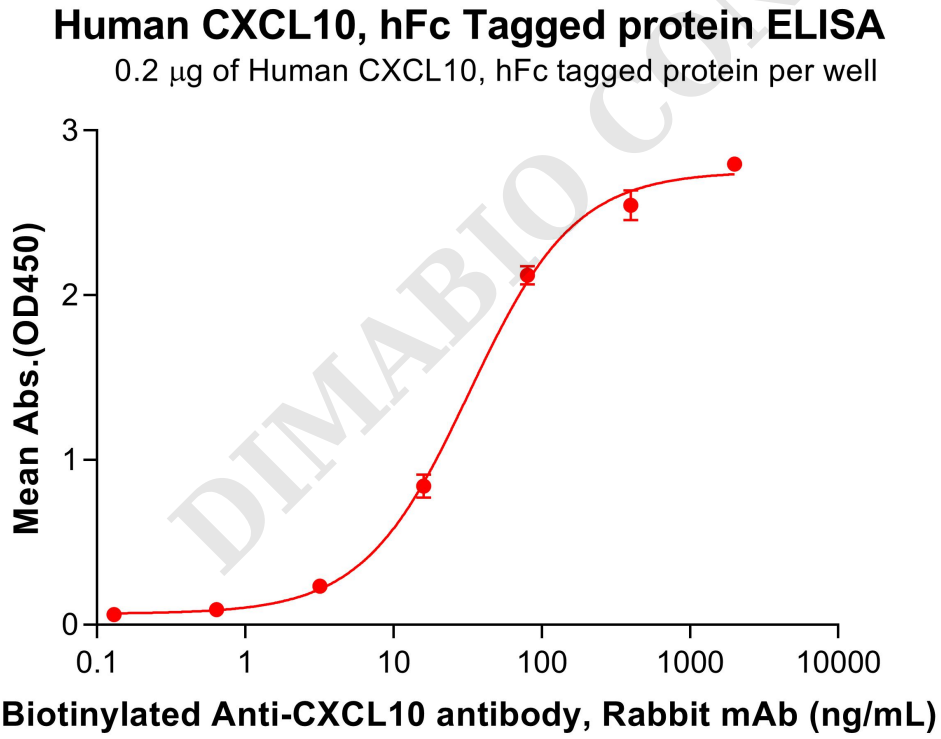

Figure 2. ELISA plate pre-coated by 2 μg/mL (100 μL/well) Human CXCL10 Protein, hFc Tag (PME101445) can bind Biotinylated Anti-CXCL10 antibody, Rabbit mAb (DME101182B) in a linear range of 16–80 ng/mL.