PRODUCT INFORMATION

Target	IL23A
Synonyms	IL-23;IL-23A;IL23P19;P19;SGRF
Description	Recombinant Human IL23A Protein with C-terminal human Fc tag
Delivery	In Stock
Uniprot ID	Q9NPF7
Expression Host	HEK293
Tag	C-Human Fc Tag
Molecular Characterization	IL23A(Arg20-Pro189) hFc(Glu99-Ala330)
Molecular Weight	The protein has a predicted molecular mass of 44.8 kDa after removal of the signal peptide. The apparent molecular mass of IL23A-hFc is approximately 35-55 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	This gene encodes a subunit of the heterodimeric cytokine interleukin 23 (IL23). IL23 is composed of this protein and the p40 subunit of interleukin 12 (IL12B). The receptor of IL23 is formed by the beta 1 subunit of IL12 (IL12RB1) and an IL23 specific subunit, IL23R. Both IL23 and IL12 can activate the transcription activator STAT4, and stimulate the production of interferon-gamma (IFNG). In contrast to IL12, which acts mainly on naive CD4( ) T cells, IL23 preferentially acts on memory CD4( ) T cells. [provided by RefSeq, Jul 2008]
Usage	Research use only
Conjugate	Unconjugated

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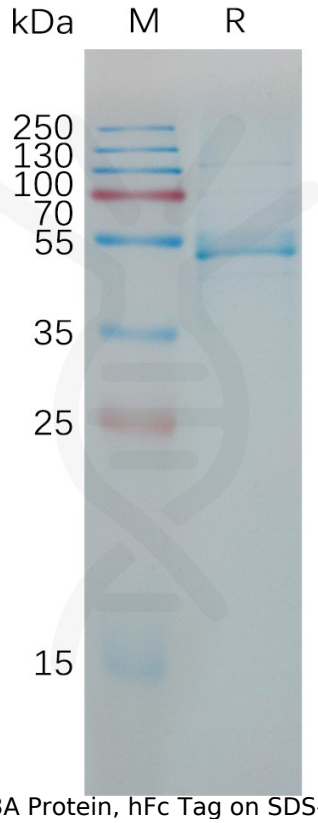


Figure 1.Human IL23A Protein, hFc Tag on SDS-PAGE under reducing condition.

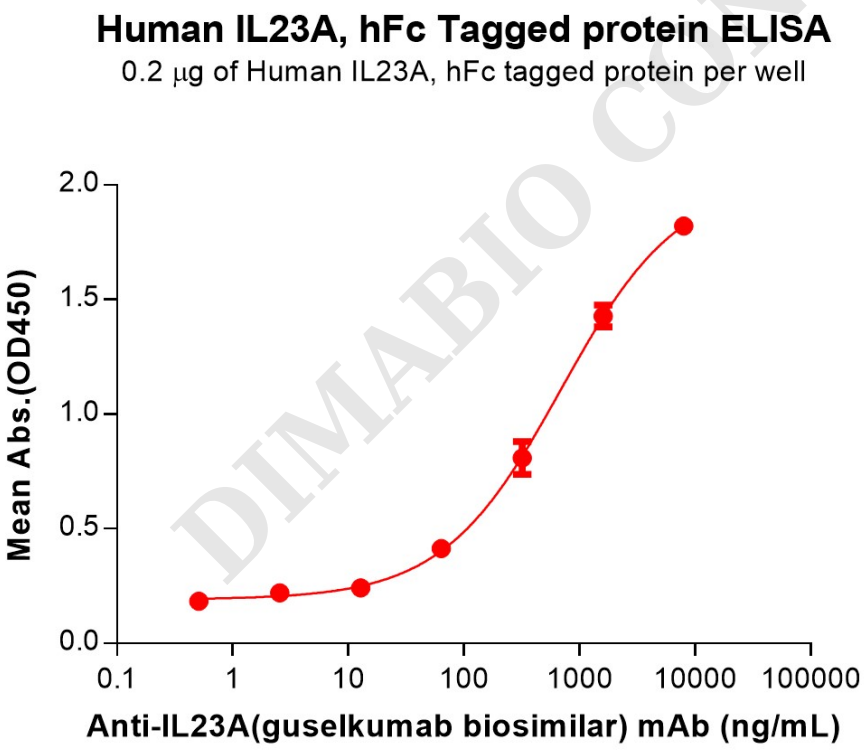


Figure 2. ELISA plate pre-coated by 2 μg/mL (100 μL/well) Human IL23A Protein, hFc Tag (PME101191) can bind Anti-IL23A(guselkumab biosimilar) mAb (BME100164) in a linear range of 0.064–1.6μg/mL.

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