PRODUCT INFORMATION

Target	IL23A and IL12B
Synonyms	IL-23;IL-23A;IL23P19;P19;SGRF and CLMF;CLMF2;IL-12B;IMD28;IMD29;NKSF;NKSF2
Description	Recombinant human IL23A protein with C-terminal human Fc tag and human IL12B protein with C-terminal 6×His tag
Delivery	In Stock
Uniprot ID	Q9NPF7;P29460
Expression Host	HEK293
Tag	C-Human Fc and 6×His Tag
Molecular Characterization	IL23A(Arg20-Pro189) hFc(Glu99-Ala330)and IL12B(Ile23-Ser328) 6×His tag
Molecular Weight	The protein has a predicted molecular mass of 44.8 and 35.5 kDa after removal of the signal peptide. The apparent molecular mass of IL23A-hFc and IL12B-His 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	Interleukin-23 subunit alpha (IL-23 alpha) can associates with IL12B to form the IL-23 interleukin, a heterodimeric cytokine which functions in innate and adaptive immunity. IL-23 may constitute with IL-17 an acute response to infection in peripheral tissues. IL-23 binds to a heterodimeric receptor complex composed of IL12RB1 and IL23R, activates the Jak-Stat signaling cascade, stimulates memory rather than naive T-cells and promotes production of proinflammatory cytokines. IL-23 induces autoimmune inflammation and thus may be responsible for autoimmune inflammatory diseases and may be important for tumorigenesis.
Usage	Research use only
Conjugate	Unconjugated

Human IL23A and IL12B Heterodimer Protein, hFc Tag and His Tag

Cat. No. PME101238

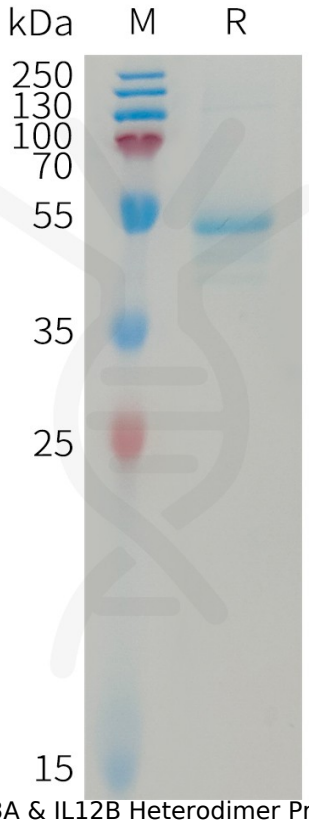

Figure 1.Human IL23A & IL12B Heterodimer Protein, hFc Tag & His Tag on SDS-PAGE under reducing condition.

Email: info@dimabio.com
Phone:+1 978-912-0878

Website: www.dimabio.com