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

Cat. No. PME101238

DIMA BIOTECH

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

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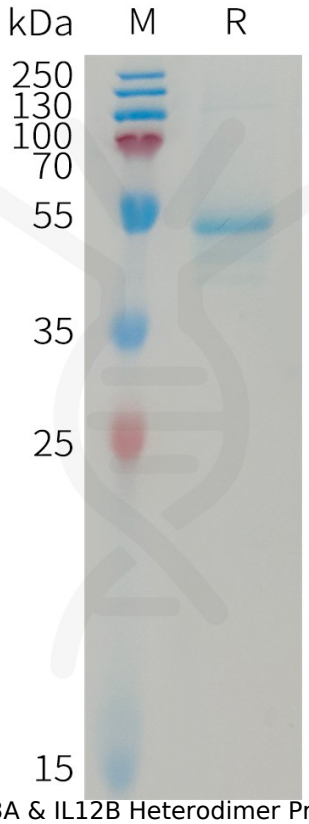


Figure 1.Human IL23A & IL12B Heterodimer Protein, hFc Tag & His Tag on SDS-PAGE under reducing condition.

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