

Recombinant Cynomolgus IL-23A&Mouse IL-12B Protein

Catalog No.: RP02725

Sequence Information

Species **Gene ID**
Cynomolgus&Mouse IL-23A&IL-12B 160102128555

Swiss Prot **Tags**
A0A2K5TLV4-1 N-His
(Cynomolgus IL-23 alpha)
&P43432-1
(Mouse IL-12 beta)

Synonyms
IL23 alpha; IL12 beta; IL23 alpha&IL12 beta

Product Information

Source **Purification**
HEK293 cells ≥ 95 % as determined by Tris-Bis PAGE; ≥ 95 % as determined by HPLC.

Calculated MW **Observed MW**
19.5 kDa 22 kDa
(Cynomolgus IL-23 alpha), 35.8 kDa (Mouse IL-12 beta) 50 kDa (Mouse IL12 beta)

Endotoxin
< 1 EU/μg of the protein by LAL method.

Formulation

Reconstitution

Centrifuge the tube before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the

Background

Interleukin (IL)-12 and IL-23 belong to the IL-12 type family and are composite cytokines, consisting of the common β subunit p40 and the specific cytokine α subunit p35 and p19, respectively. IL-12 signals via the IL-12Rβ1·IL-12Rβ2 receptor complex, and IL-23 uses also IL-12Rβ1 but engages IL-23R as second receptor.

Basic Information

Description

Recombinant Cynomolgus IL-23A&Mouse IL-12B Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Val22-Pro189(Cynomolgus IL-23A)&Met23-Ser335(Mouse IL-12B)) of cynomolgus IL-23A&mouse IL-12B (Accession #A0A2K5TLV4-1 (Cynomolgus IL-23A)&P43432-1(Mouse IL-12B)) fused with His tag at the N-terminus.

Activity

Shipping

Lyophilized proteins are shipped at ambient temperature. Liquid proteins are shipped at frozen temperature with dry ice. Upon receipt, store it immediately at the temperature recommended below.

Storage

Store at -20°C

Operational Notes

For your safety and health, please wear a lab coat and disposable gloves for handling.

Contact

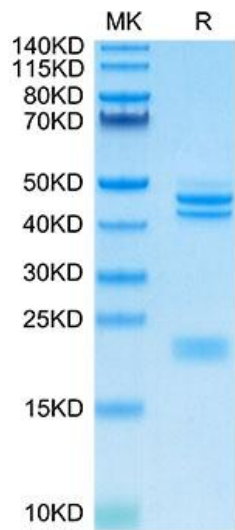
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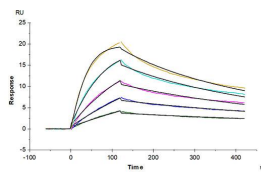
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reconstituted protein solution to
minimize free-thaw cycles.

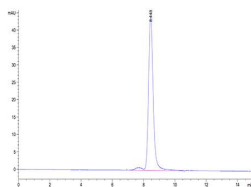
Validation Data



Recombinant Cynomolgus IL-23A&Mouse IL-12B Protein was determined by Tris-Bis PAGE under reducing conditions.



Cynomolgus IL-23R, His Tag immobilized on CM5 Chip can bind Cynomolgus IL-23 alpha&Mouse IL-12 beta, His Tag with an affinity constant of 3.90 nM as determined in SPR assay (Biacore T200).



The purity of Cynomolgus IL-23 alpha&Mouse IL-12 beta is greater than 95% as determined by SEC-HPLC.