

Recombinant Cynomolgus IL-23 alpha&Mouse IL-12 beta Protein

Catalog No.: RP02725 **Recombinant**

Sequence Information

Species	Gene ID	Swiss Prot
Cynomolgus &Mouse	16160&1021 28555	A0A2K5TLV4- 1(Cynomolgu s IL-23 alpha)&P434 32-1(Mouse IL-12 beta)

Tags

N-His

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

Endotoxin

Less than 1EU per µg by the 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
reconstituted protein solution to
minimize freeze-thaw cycles.

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-23 alpha&Mouse IL-12 beta Protein is expressed from Expi293 with His tag at the N-terminal. It contains Val22-Pro189(Cynomolgus IL-23 alpha)&Met23-Ser335(Mouse IL-12 beta).

Bio-Activity

Storage

Store the lyophilized protein at -20°C to -80°C for long term.
After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.
Avoid repeated freeze/thaw cycles.

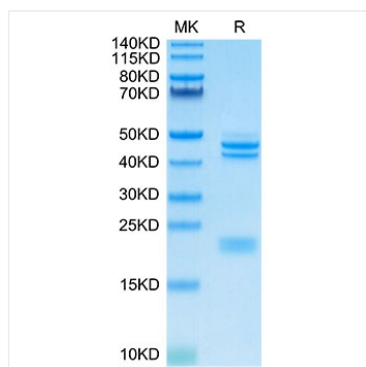
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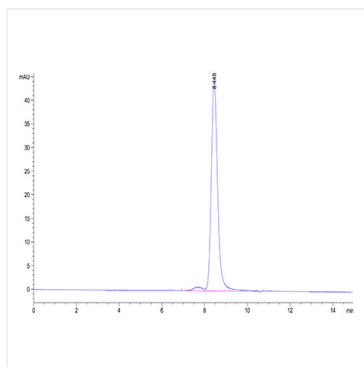
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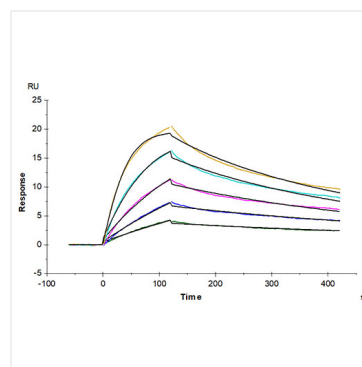
Validation Data



Cynomolgus IL-23 alpha&Mouse IL-12 beta on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.



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



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).