

Biotinylated Recombinant Human IL-12A&IL-12B Protein

Catalog No.: RP02584 **Recombinant**

Sequence Information

Species	Gene ID	Swiss Prot
Human	3592&3593	P29460(IL-12 B)&P29459(IL-12A)

Tags

C-His&Avi

Synonyms

CLMF; CLMF2; IL-12A; IL-12B; IL12; IL12 p70; IMD28; IMD29; NFSK; NKSF1; NKSF2; P35; IL-12 subunit p35; IL12A; interleukin 12

Product Information

Source

HEK293 cells

Purification

> 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 free-thaw cycles.

Contact

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Background

Interleukin 12 (IL-12) is a pleiotropic cytokine that plays an essential role in Th1-type immune response against cancer, a condition where cells in a particular part of the body grow and reproduce uncontrollably.

Basic Information

Description

Recombinant Biotinylated Human IL-12 Protein is expressed from Expi293 with His tag and Avi tag at the C-terminal. It contains Ile23-Ser328(IL-12B)/Arg23-Ser219(IL-12A).

Bio-Activity

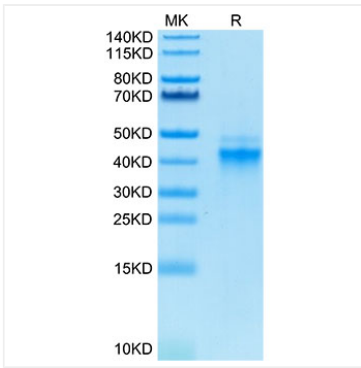
Storage

Store the lyophilized protein at -20°C to -80°C for long term.

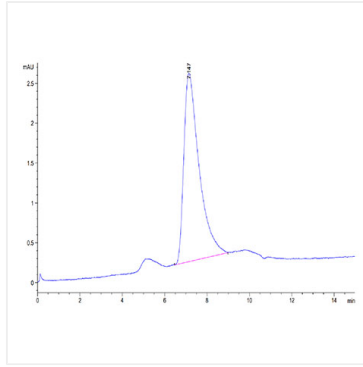
After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.

Avoid repeated freeze/thaw cycles.

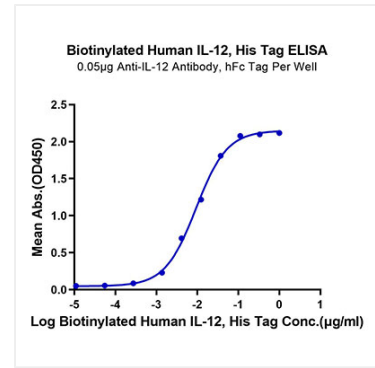
Validation Data



Biotinylated Human IL-12 on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.



The purity of Biotinylated Human IL-12 is greater than 95% as determined by SEC-HPLC.



Immobilized Anti-IL-12 Antibody, hFc Tag at 0.5µg/ml (100µl/well) on the plate. Dose response curve for Biotinylated Human IL-12, His Tag with the EC₅₀ of 9.3ng/ml determined by ELISA.