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

Catalog No.: RP00638B

Sequence Information

Species	Gene ID
Human	3592&3593

Swiss Prot	Tags
P29459&P29460	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	Purification
HEK293 cells	≥ 95 % as determined by SDS-PAGE;≥ 95 % as determined by HPLC.

Calculated MW	Observed MW
34.7 kDa (IL-12B), 25.5 kDa (IL-12A)	40-45 kDa

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

Formulation
Lyophilized from 0.22 μm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.

Reconstitution
Centrifuge the vial 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 stablizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

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
Biotinylated Recombinant Human IL-12/IL-12A&IL-12B Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Ile23-Ser328)&(Arg23-Ser219) of Human IL-12/IL-12A&IL-12B (Accession #P29460&P29459) fused with a C-His&Avi tag at the C-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℃

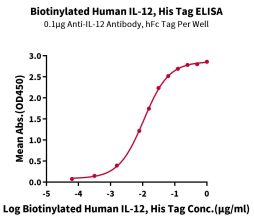
Operational Notes
For your safety and health, please wear a lab coat and disposable gloves for handling.

Contact

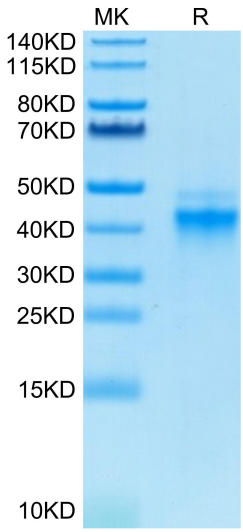
400-999-6126
cn.market@abclonal.com.cn
www.abclonal.com.cn

For research use only. Not for therapeutic or diagnostic purposes.
Please visit http://abclonal.com for a complete listing of recommended products.

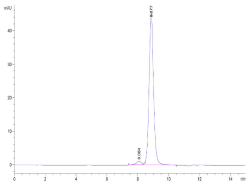
Validation Data



Immobilized Anti-IL-12 Antibody, hFc Tag at 1 μg/mL (100 μL/well) on the plate. Dose response curve for Biotinylated Human IL-12, His Tag with the EC_{50} of 10.8ng /mL determined by ELISA.



Biotinylated Recombinant Human IL-12/IL-12A&IL-12B Protein was determined by Tris-Bis PAGE under reducing conditions.



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

For research use only. Not for therapeutic or diagnostic purposes.
Please visit http://abclonal.com for a complete listing of recommended products.