

Biotinylated Recombinant Human IL-17A&IL-17F Protein

Catalog No.: RP02415B **Recombinant**

Sequence Information

Species	Gene ID	Swiss Prot
Human	3605&11274 4	Q16552-1&Q 96PD4

Tags

C-His&Avi

Synonyms

IL-17A; Interleukin-17A; CTLA-8; IL-17; IL-17F; IL24; ML-1; Interleukin-17F

Product Information

Source	Purification
HEK293 cells	> 95% by Tris-Bis PAGE

Endotoxin

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

Formulation

Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4. Normally 8% trehalose is added as protectant before lyophilization. Contact us for customized product form or 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

☎ | 400-999-6126

✉ | cn.market@abclonal.com.cn

🌐 | www.abclonal.com.cn

Background

Interleukin-17A (IL-17A), also known as CTLA-8, is a 15-20 kDa glycosylated cytokine that plays an important role in anti-microbial and chronic inflammation. The six IL-17 cytokines (IL-17A-F) are encoded by separate genes but adopt a conserved cystine knot fold. IL-17A is a ligand for IL17RA and IL17RC. The heterodimer formed by IL17A and IL17F is a ligand for the heterodimeric complex formed by IL17RA and IL17RC. Involved in inducing stromal cells to produce proinflammatory and hematopoietic cytokines.

Basic Information

Description

Biotinylated Recombinant Human IL-17A&IL-17F heterodimer Protein is produced by Expi293 expression system. The target protein is expressed with sequence (Gly24-Ala155(IL-17A)&Arg31-Gln163) of Human IL-17A&IL-17F heterodimer fused with His tag and Avi tag at the C-terminal.

Bio-Activity

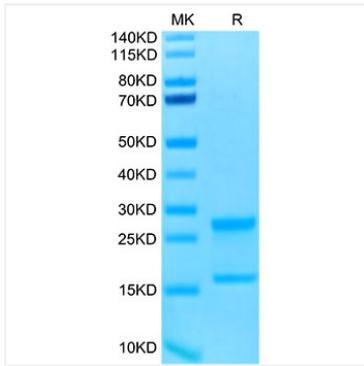
Storage

Store at -20°C. Store the lyophilized protein at -20°C to -80°C up to 1 year from the date of receipt.

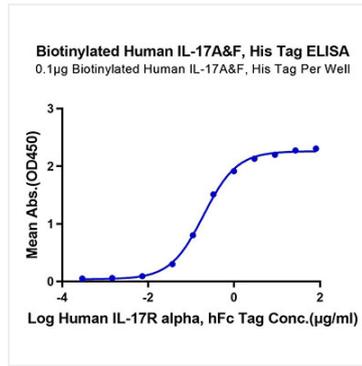
After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.

Avoid repeated freeze/thaw cycles.

Validation Data



Biotinylated Human IL-17A&F on Tris-Bis PAGE under reduced conditions. The purity is greater than 95%.



Immobilized Biotinylated Human IL-17A&F, His Tag at 1µg/ml (100µl/Well) on the plate. Dose response curve for Human IL-17R alpha, hFc Tag with the EC_{50} of 0.19µg/ml determined by ELISA.