

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

Catalog No.: RP02414B **Recombinant**

## Sequence Information

| Species | Gene ID    | Swiss Prot  |
|---------|------------|-------------|
| Human   | 3605&11274 | Q16552-1&Q4 |
|         |            | 96PD4       |

### Tags

C-His&Avi

### Synonyms

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

## Product Information

### Source

HEK293 cells  
 $\geq 95\%$  as determined by Tris-Bis PAGE.

### Calculated MW

15.1 kDa(IL-17A), 16 kDa(IL-17A), 27  
 17.5 kDa(IL-17F) kDa(IL-17F)

### Endotoxin

< 1 EU/ $\mu$ g of the protein by LAL method.

### Formulation

Lyophilized from a 0.22  $\mu$ m filtered solution of PBS, pH 7.4.

### 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.

## 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 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 fused with a His tag and Avi tag at the C-terminal.

### Bio-Activity

### Shipping

The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

### 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.

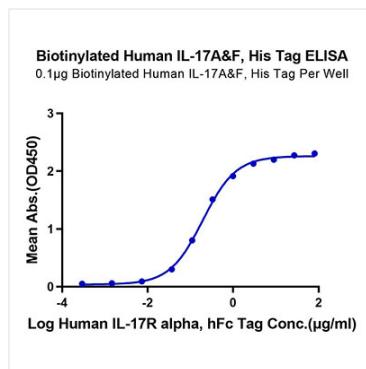
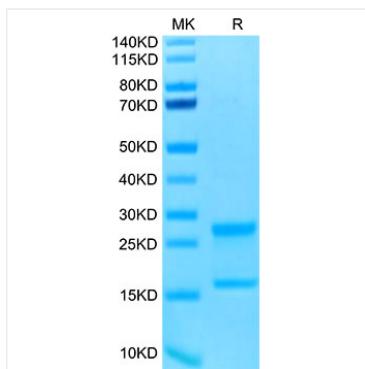
### Operational Notes

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

## Contact

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|  | <a href="http://www.abclonal.com.cn">www.abclonal.com.cn</a>             |

## Validation Data



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Immobilized Biotinylated Human IL-17A&F, His Tag at 1 $\mu$ g/ml (100 $\mu$ l/Well) on the plate. Dose response curve for Human IL-17R alpha, hFc Tag with the EC<sub>50</sub> of 0.19 $\mu$ g/ml determined by ELISA.