

Datasheet for ABIN7275001  
**IL-17A/F Protein (AA 24-155) (His tag)**



[Go to Product page](#)

3 Images

Overview

Quantity:	100 µg
Target:	IL-17A/F
Protein Characteristics:	AA 24-155
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This IL-17A/F protein is labelled with His tag.

Product Details

Purpose:	Human IL-17A & F Protein
Sequence:	Gly24-Ala155 (IL-17A) & Arg31-Gln163 (IL-17F)
Specificity:	Uni-Prot: Q16552-1 (IL-17A), Q96PD4 (IL-17F)
Characteristics:	Recombinant Human IL-17A & F Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Gly24-Ala155(IL-17A) & Arg31-Gln163(IL-17F).
Purity:	> 95 % as determined by Tris-Bis PAGE, > 95 % as determined by HPLC
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.
Biological Activity Comment:	Immobilized Human IL-17A&F, His Tag at 1µg/ml (100µl/well) on the plate. Dose response curve for Anti-IL-17A Antibody, hFc Tag with the EC50 of 34.0ng/ml determined by ELISA. See testing image for detail.

## Target Details

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Target:	IL-17A/F
Alternative Name:	IL-17A&F ( <a href="#">IL-17A/F Products</a> )
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.
Molecular Weight:	15.1 kDa (IL-17A) & 15.7 kDa (IL-17F). Due to glycosylation, the protein migrates to 16 kDa & 27 kDa based on Tris-Bis PAGE result.

## Application Details

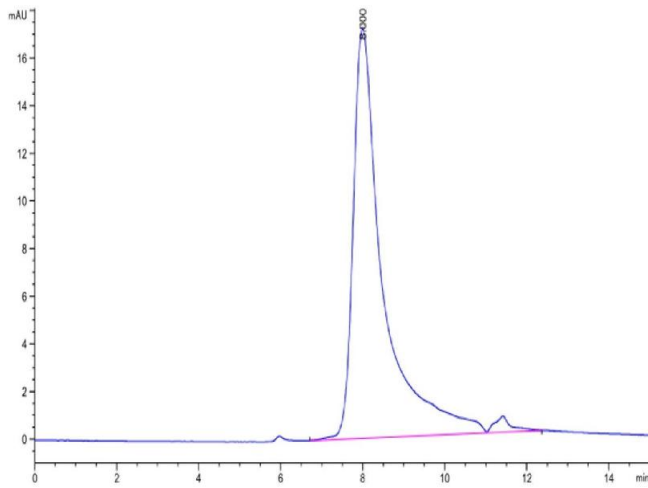
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Restrictions: For Research Use only

## Handling

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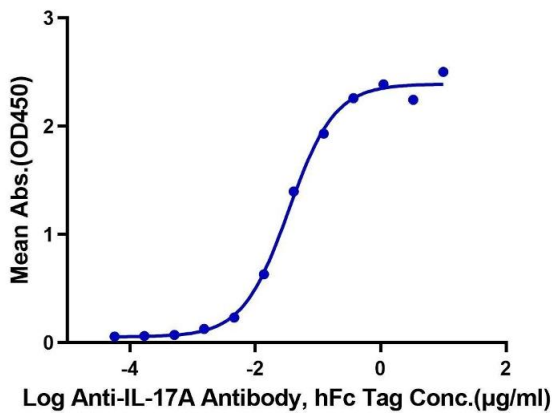
Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/mL is recommended. Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8 % trehalose is added as protectant before lyophilization.
Storage:	-20 °C, -80 °C
Storage Comment:	-20 to -80°C for 12 months as supplied from date of receipt., -80°C for 3-6 months after reconstitution., 2-8°C for 2-7 days after reconstitution., Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.
Expiry Date:	12 months



### Size-exclusion chromatography-High Pressure Liquid Chromatography

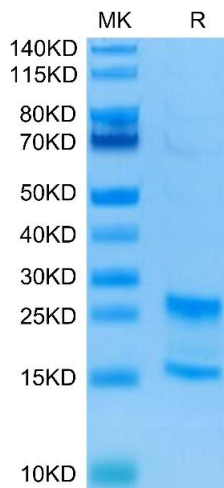
**Image 1.** The purity of Human IL-17A&F is greater than 95 % as determined by SEC-HPLC.

**Human IL-17A&F, His Tag ELISA**  
0.1 µg Human IL-17A&F, His Tag Per Well



### ELISA

**Image 2.** Immobilized Human IL-17A&F, His Tag at 1 µg/mL (100 µL/well) on the plate. Dose response curve for Anti-IL-17A Antibody, hFc Tag with the EC50 of 34.0 ng/mL determined by ELISA.



### SDS-PAGE

**Image 3.** Human IL-17A&F on Tris-Bis PAGE under reduced conditions. The purity is greater than 95 %