



### Synonym

CD217,CDw217,IL-17RA,IL17R,CANDF5,hIL-17R

### Source

Human IL-17 RA Protein, Fc Tag(ILA-H525f) is expressed from human 293 cells (HEK293). It contains AA Leu 33 - Trp 320 (Accession # [Q96F46-1](#)).

Predicted N-terminus: Leu 33

### Molecular Characterization

This protein carries a human IgG1 Fc tag at the C-terminus.

The protein has a calculated MW of 59.9 kDa. The protein migrates as 75-95 kDa when calibrated against [Star Ribbon Pre-stained Protein Marker](#) under reducing (R) condition (SDS-PAGE) due to glycosylation.

### Endotoxin

Less than 1.0 EU per µg by the LAL method.

### Purity

>95% as determined by SDS-PAGE.

### Formulation

Lyophilized from 0.22 µm filtered solution in PBS, pH7.4 with trehalose as protectant.

Contact us for customized product form or formulation.

### Reconstitution

Please see Certificate of Analysis for specific instructions.

*For best performance, we strongly recommend you to follow the reconstitution protocol provided in the CoA.*

### Storage

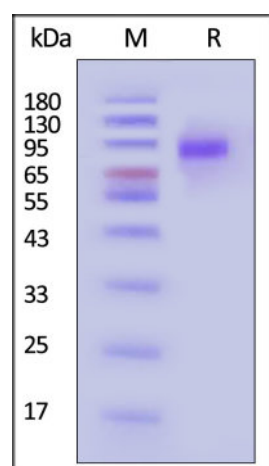
For long term storage, the product should be stored at lyophilized state at -20°C or lower.

*Please avoid repeated freeze-thaw cycles.*

This product is stable after storage at:

- -20°C to -70°C for 12 months in lyophilized state;
- -70°C for 3 months under sterile conditions after reconstitution.

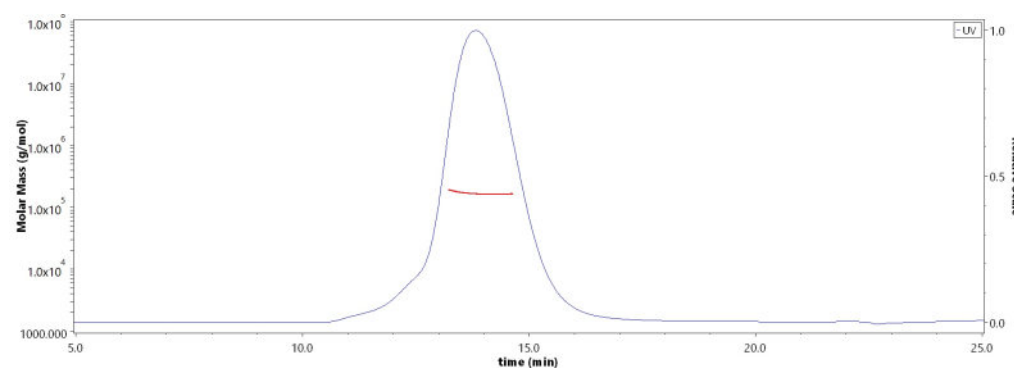
### SDS-PAGE



Human IL-17 RA Protein, Fc Tag on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 95% (With [Star Ribbon Pre-stained Protein Marker](#)).

### Bioactivity-ELISA

### SEC-MALS

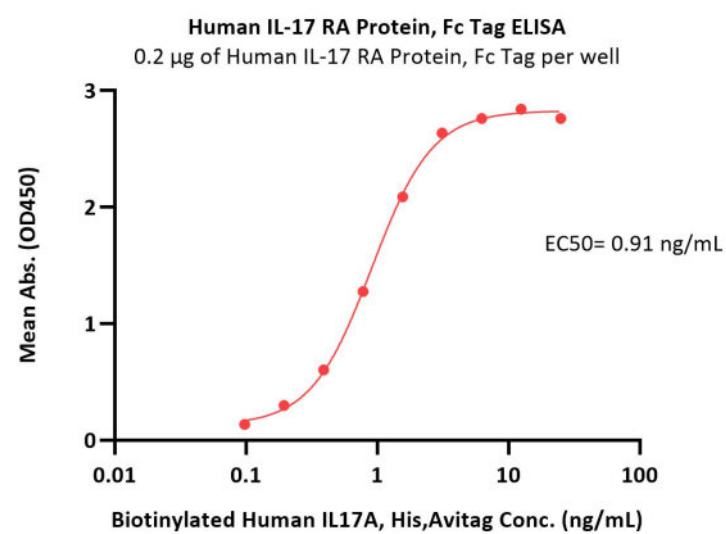
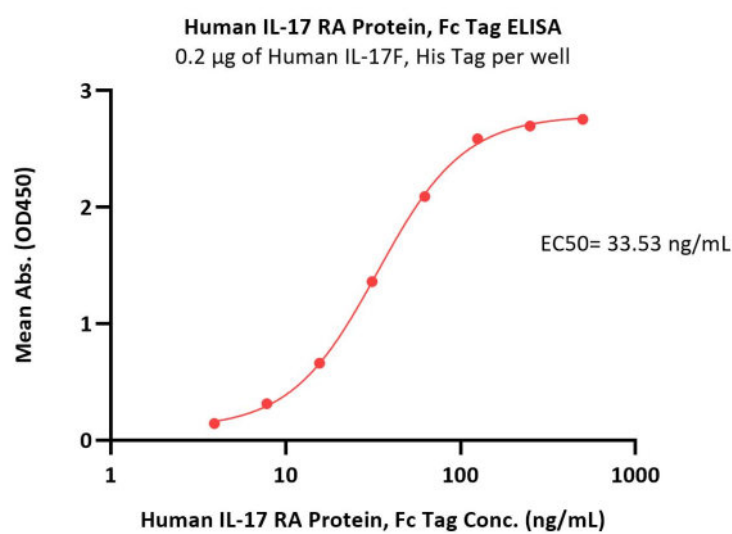


The purity of Human IL-17 RA Protein, Fc Tag (Cat. No. ILA-H525f) is more than 85% and the molecular weight of this protein is around 155-185 kDa verified by SEC-MALS.

[Report](#)

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Immobilized Human IL-17F, His Tag (Cat. No. ILF-H5244) at 2 µg/mL (100 µL/well) can bind Human IL-17 RA Protein, Fc Tag (Cat. No. ILA-H525f) with a linear range of 4-63 ng/mL (QC tested).

Immobilized Human IL-17 RA Protein, Fc Tag (Cat. No. ILA-H525f) at 2 µg/mL (100 µL/well) can bind Biotinylated Human IL17A, His,Avitag (Cat. No. ILA-H82Q1) with a linear range of 0.1-2 ng/mL (Routinely tested).

## Background

Interleukin 17 receptor A (IL17RA) is also known as cluster of differentiation w217 (CDw217), is a pro-inflammatory cytokine secreted by activated T-lymphocytes, belong to ubiquitous type I membrane glycoprotein, and binds with low affinity to interleukin 17A (IL17A). IL 17R mRNA exhibits a broad tissue distribution, and has been detected in virtually all cells and tissues tested . IL 17RA associates with IL 17RC to form a signaling receptor complex for IL 17 and IL 17F . Ligand and IL 17RA ligation promotes T cell activation and the production of IL - 6, G-CSF, SCF, and multiple pro-inflammatory chemokines. Defects in IL17RA are the cause of familial candidiasis type 5 (CANDF5).

## Clinical and Translational Updates

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