

Rat IL-17 RA / CD217 Protein, Fc Tag (MALS verified)

Catalog # ILA-R5253



Synonym

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

Source

Rat IL-17 RA Protein, Fc Tag (ILA-R5253) is expressed from human 293 cells (HEK293). It contains AA Ser 32 - Pro 320 (Accession # [NP_001101353.2](#)).

Predicted N-terminus: Ser 32

Molecular Characterization

IL-17 RA(Ser 32 - Pro 320) NP_001101353.2	Fc(Pro 100 - Lys 330) P01857-1
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This protein carries a human IgG1 Fc tag at the C-terminus.

The protein has a calculated MW of 59.1 kDa. The protein migrates as 65-95 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 / rFC method.

Purity

>90% as determined by SDS-PAGE.

>90% as determined by SEC-MALS.

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.

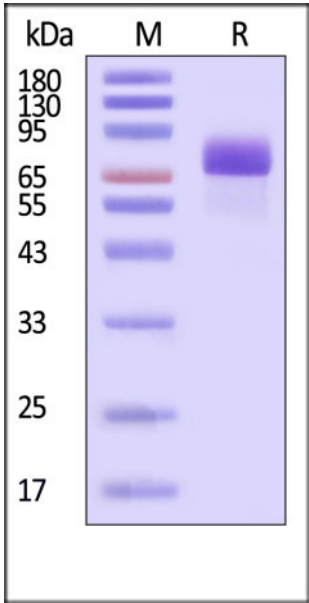
This product is stable after storage at:

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

ACRO Quality Management System

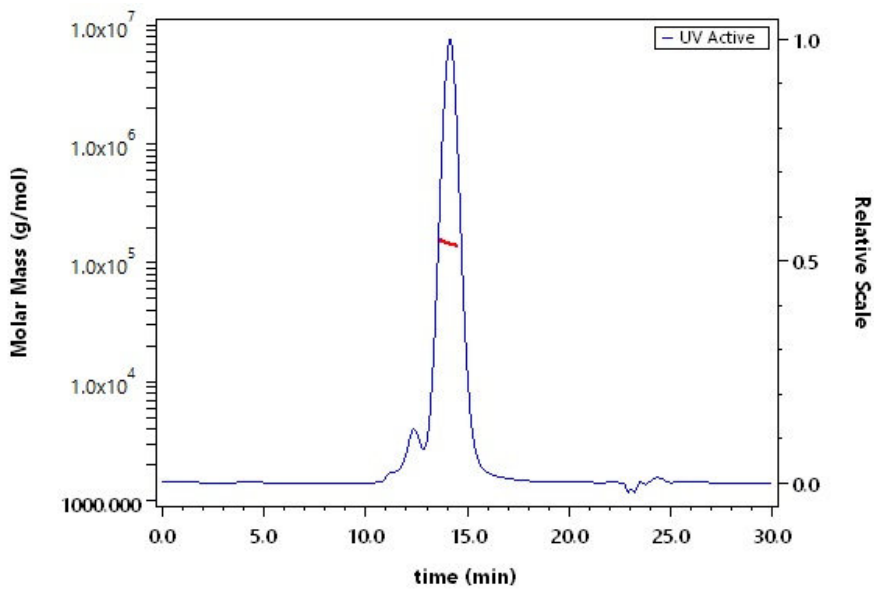
- [QMS\(ISO, GMP\)](#)
- [Quality Advantages](#)
- [Quality Control Process](#)

SDS-PAGE



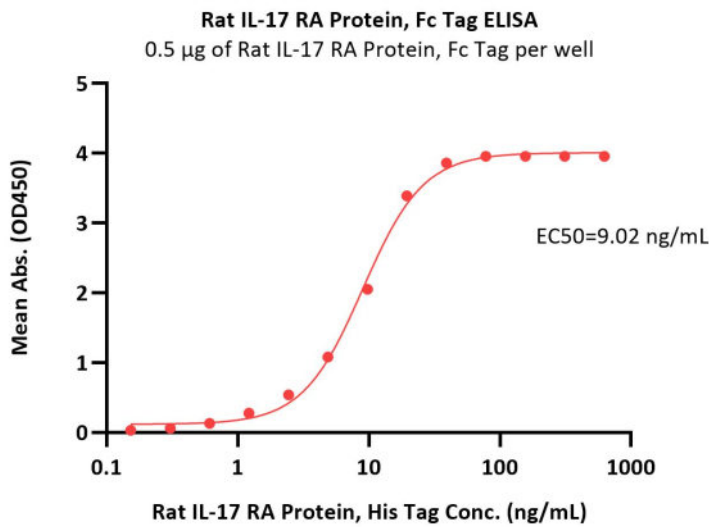
Rat IL-17 RA Protein, Fc Tag on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 90% (With [Star Ribbon Pre-stained Protein Marker](#)).

SEC-MALS



The purity of Rat IL-17 RA Protein, Fc Tag (Cat. No. ILA-R5253) is more than 90% and the molecular weight of this protein is around 130-160 kDa verified by SEC-MALS.

Bioactivity-ELISA



Immobilized Rat IL-17 RA Protein, Fc Tag (Cat. No. ILA-R5253) at 5 µg/mL (100 µL/well) can bind Rat IL-17 RA Protein, His Tag (Cat. No. ILA-R5243) with a linear range of 0.2-20 ng/mL (QC 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).



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