

Cynomolgus IL-17E / IL-25 Protein, Fc Tag (MALS verified)

Catalog # IL5-C5263



Synonym

IL-17E, IL-25, Interleukin-25

Source

Cynomolgus IL-17E Protein, Fc Tag (IL5-C5263) is expressed from human 293 cells (HEK293). It contains AA Tyr 33 - Gly 176 (Accession # [G7P9V9](#)).

Predicted N-terminus: Pro

Molecular Characterization

Fc(Pro 100 - Lys 330) P01857-1	IL-17E(Tyr 33 - Gly 176) G7P9V9
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This protein carries a human IgG1 Fc tag at the N-terminus.

The protein has a calculated MW of 43.0 kDa. The protein migrates as 45-55 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

>95% 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.

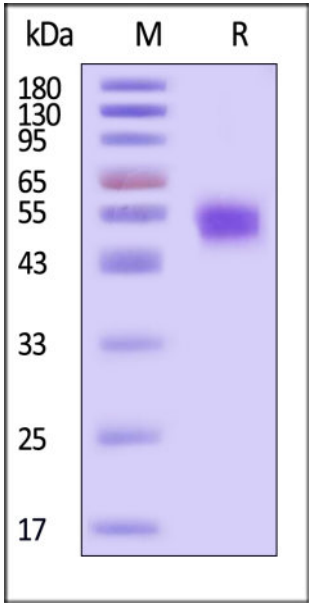
This product is stable after storage at:

- -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

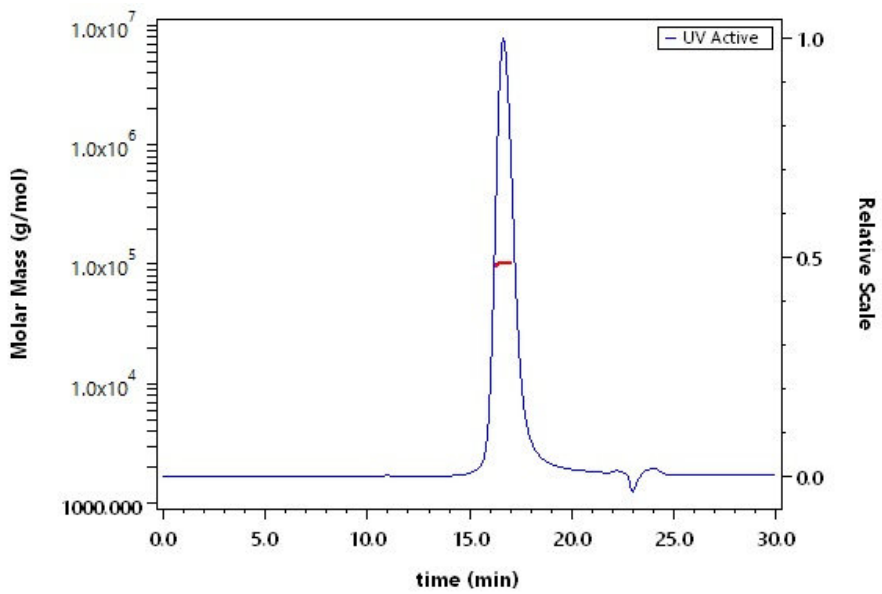
- [QMS\(ISO, GMP\)](#)
- [Quality Advantages](#)
- [Quality Control Process](#)

SDS-PAGE



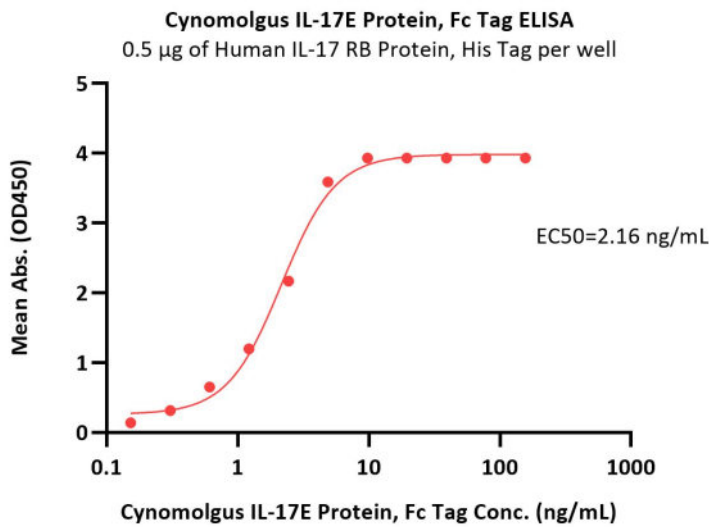
Cynomolgus IL-17E Protein, Fc Tag on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 95% (With [Star Ribbon Pre-stained Protein Marker](#)).

SEC-MALS



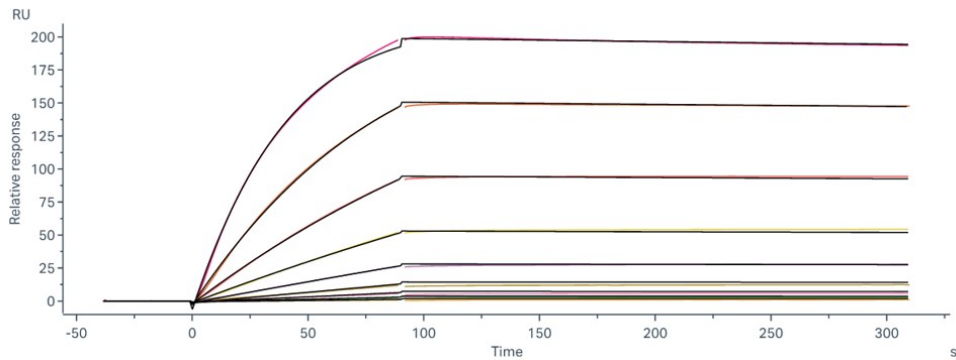
The purity of Cynomolgus IL-17E Protein, Fc Tag (Cat. No. IL5-C5263) is more than 90% and the molecular weight of this protein is around 90-115 kDa verified by SEC-MALS.

Bioactivity-ELISA



Immobilized Human IL-17 RB Protein, His Tag (Cat. No. ILB-H52H5) at 5 µg/mL (100 µL/well) can bind Cynomolgus IL-17E Protein, Fc Tag (Cat. No. IL5-C5263) with a linear range of 0.2-10 ng/mL (QC tested).

Bioactivity-SPR



Human IL-17 RB, Fc Tag (Cat. No. ILB-H5251) immobilized on CM5 Chip can bind Cynomolgus IL-17E Protein, Fc Tag (Cat. No. IL5-C5263) with an affinity constant of 0.07 nM as determined in a SPR assay (Biacore 8K) (Routinely tested).

Background

Interleukin 25 (IL25) is also known as Interleukin-17E (IL-17E), is a distinct member of the IL17 cytokine family comprised of at least six members sharing a conserved cysteine-knot structure but divergent at the N-terminus. IL-25 is secreted by type 2 helper T cells (Th2) and mast cells. IL25 can induce NF-κB activation, and stimulate the production of IL8. Both this cytokine and IL17B are ligands for the cytokine receptor IL17RB. IL-25 induces the production of other cytokines,

including IL-4, IL-5 and IL-13 in multiple tissues, which stimulate the expansion of eosinophils. This cytokine is an important molecule controlling immunity of the gut and has been implicated in chronic inflammation associated with the gastrointestinal tract. IL-25 can kill some types of breast cancer cells.



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