



Synonym

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

Source

Human IL-17E, His Tag(IL5-H52H9) is expressed from human 293 cells (HEK293). It contains AA Tyr 33 - Gly 177 (Accession # [NP_073626.1](#)).

Molecular Characterization

IL-17E(Tyr 33 - Gly 177) NP_073626.1	Poly-his
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This protein carries a polyhistidine tag at the C-terminus.

The protein has a calculated MW of 18.8 kDa. The protein migrates as 20-30 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.

Endotoxin

Less than 1.0 EU per µg by the LAL 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

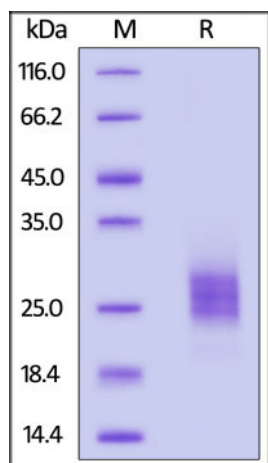
For long term storage, the product should be stored at lyophilized state at -20°C or lower.

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.

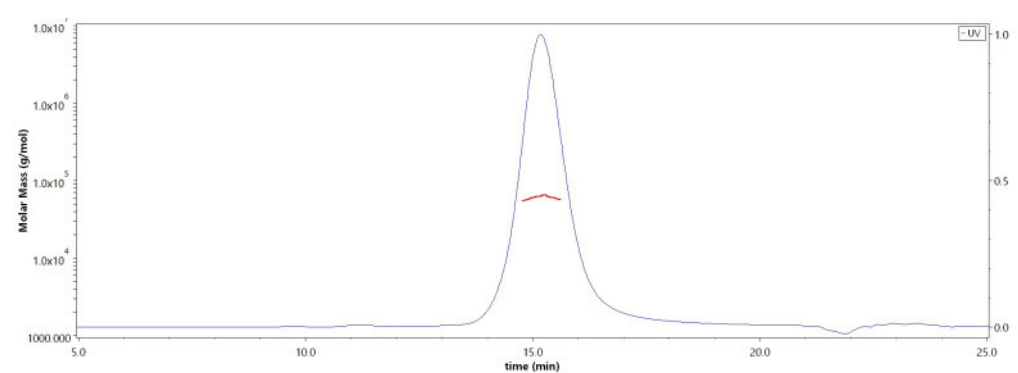
SDS-PAGE



Human IL-17E, His Tag on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 90%.

Bioactivity-ELISA

SEC-MALS

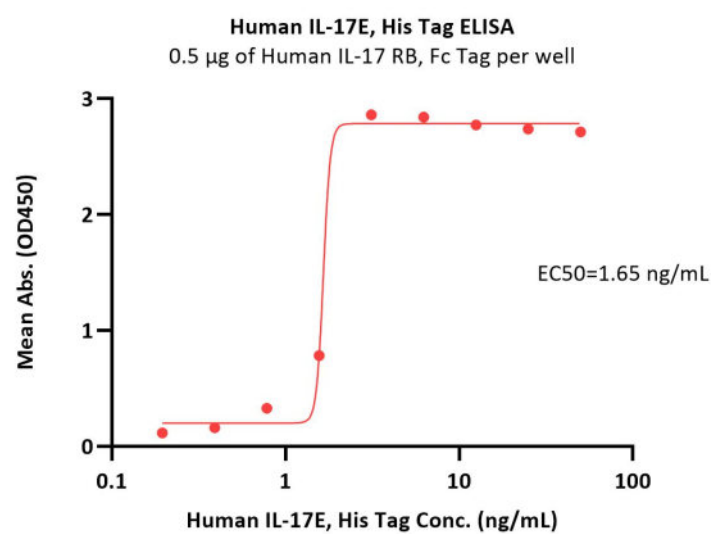


The purity of Human IL-17E, His Tag (Cat. No. IL5-H52H9) is more than 90% and the molecular weight of this protein is around 51-69 kDa verified by SEC-MALS.

[Report](#)

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Immobilized Human IL-17 RB, Fc Tag (Cat. No. ILB-H5251) at 5 µg/mL (100 µL/well) can bind Human IL-17E, His Tag (Cat. No. IL5-H52H9) with a linear range of 0.2-3 ng/mL (QC 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.

Clinical and Translational Updates

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