

# Recombinant Human IL-17RB Protein

Catalog No.: RP02679 **Recombinant**

## Sequence Information

Species	Gene ID	Swiss Prot
Human	55540	Q9NRM6-1

### Tags

C-His

### Synonyms

IL-17 receptor B; IL-17RB; IL-17ER; Evi27;  
IL-17 RH1; IL-17ER; IL17RB

## Product Information

Source	Purification
HEK293 cells	> 95% as determined by Tris-Bis PAGE > 95% as determined by HPLC

### Endotoxin

Less than 1EU per µg by the LAL method.

### Formulation

#### Reconstitution

Centrifuge the tube before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize freeze-thaw cycles.

## Contact

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## Background

Among inflammatory mediators, a growing body of evidence emphasizes the contribution of the interleukin 17 (IL-17) cytokine family in malignant diseases. Besides IL-17A, the prototypic member of the IL-17 family, several experimental findings strongly support the role of the IL-17B/IL-17 receptor B (IL-17RB) pathway in tumorigenesis and resistance to anticancer therapies. In mouse models, IL-17B signaling through IL-17RB directly promotes cancer cell survival, proliferation, and migration, and induces resistance to conventional chemotherapeutic agents.

## Basic Information

### Description

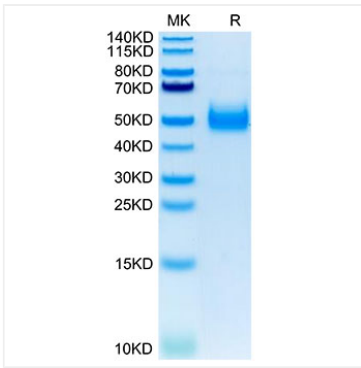
Recombinant Human IL-17RB Protein is expressed from Expi293 with His tag at the C-terminal. It contains Arg18-Per292.

### Bio-Activity

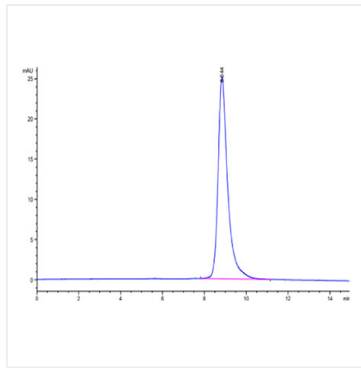
#### Storage

Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt. After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week. Avoid repeated freeze/thaw cycles.

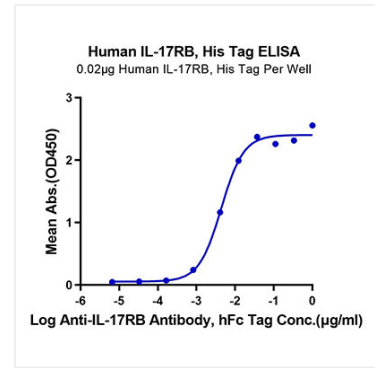
## Validation Data



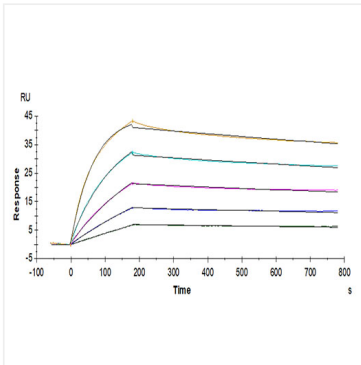
Human IL-17RB on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.



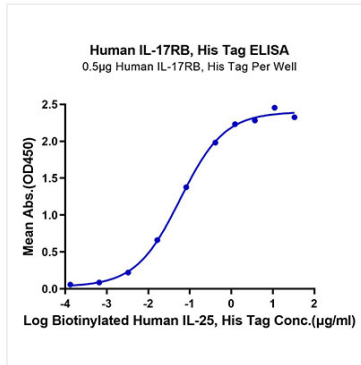
The purity of Human IL-17RB is greater than 95% as determined by SEC-HPLC.



Immobilized Human IL-17RB, His Tag at 0.2µg/ml (100µl/well) on the plate. Dose response curve for Anti-IL-17RB Antibody, hFc Tag with the EC<sub>50</sub> of 4.4ng/ml determined by ELISA.



Human IL-17RB, His Tag immobilized on CM5 Chip can bind Human IL-25, His Tag with an affinity constant of 0.81 nM as determined in SPR assay (Biacore T200).



Immobilized Human IL-17RB, His Tag at 5µg/ml (100µl/well) on the plate. Dose response curve for Biotinylated Human IL-25, His Tag with the EC<sub>50</sub> of 58.5ng/ml determined by ELISA.