

RP02679

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Recombinant Human IL-17RB Protein

Catalog No.: RP02679

Recombinant

Sequence Information

Species	Gene ID	Swiss Prot
HEK293 cells	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

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 free-thaw cycles.

Purification

≥ 95 % as determined by Tris-Bis PAGE; ≥ 95 % as determined by HPLC.

Endotoxin

< 1 EU/μg of the protein by LAL method.

Formulation

Reconstitution

Centrifuge the tube before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water.

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

Shipping

Lyophilized proteins are shipped at ambient temperature. Liquid proteins are shipped at frozen temperature with dry ice. Upon receipt, store it immediately at the temperature recommended below.

Operational Notes

For your safety and health, please wear a lab coat and disposable gloves for handling.

Storage

Store at -20°C
Avoid repeated freeze/thaw cycles.

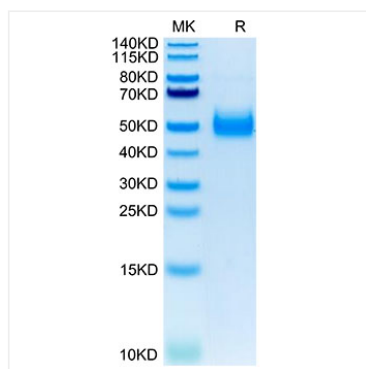
Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

Contact

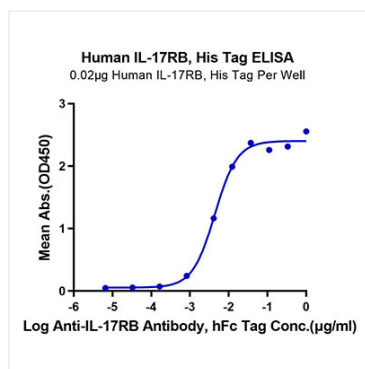


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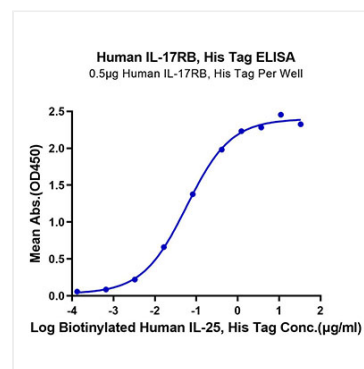
Validation Data



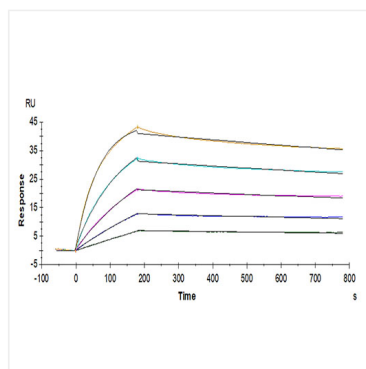
Recombinant Human IL-17RB Protein was determined by Tris-Bis PAGE under reducing conditions.



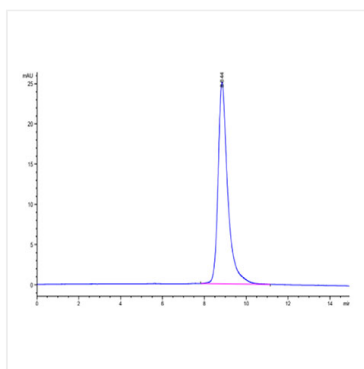
Immobilized Human IL-17RB, His Tag at 0.2µg/ml (100µl/well) on the plate. Dose response curve for Anti-IL-17RB Antibody, hFc Tag with the EC₅₀ of 4.4ng/ml determined by ELISA.



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 EC₅₀ of 58.5ng/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).



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