Recombinant Human IL-17RB Protein

Catalog No.: RP02679

Sequence Information

Species
Human

Gene ID
55540

Swiss Prot
Q9NRM6-1

Tags
C-His

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

Product Information

Source
HEK293 cells

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

Calculated MW
31.4 kDa

Observed MW
45-60 kDa

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

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.

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.

Storage
Store at -20℃

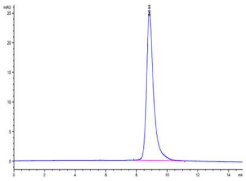
Operational Notes
For your safety and health, please wear a lab coat and disposable gloves for handling.

Contact

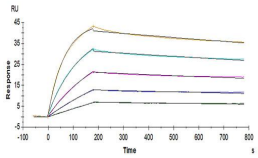
400-999-6126
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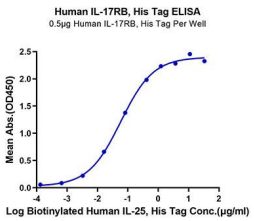
Validation Data



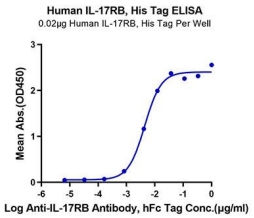
The purity of Human IL-17RB is greater than 95% as determined by SEC-HPLC.



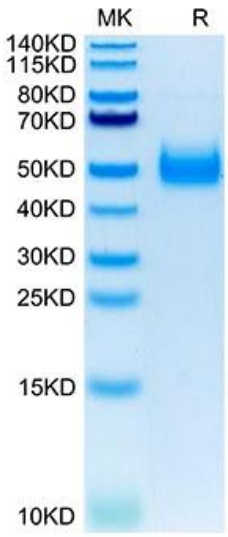
Human IL-17RB, His Tag immobilized on CM5 Chip can bind Human IL-25, His Tag with an affinity constant of 0.81 nM as determined in SPR assay (Biacore T200).



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_{50} of 58.5ng/ml determined by ELISA.



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_{50} of 4.4ng/ml determined by ELISA.



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