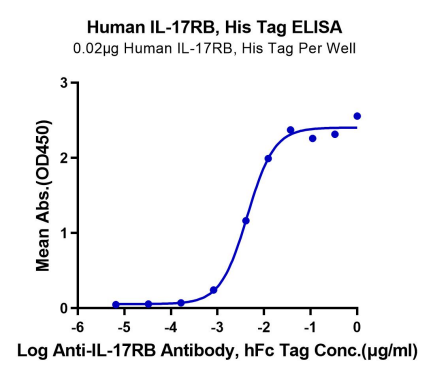
Bioactive HuPro®

IL17RB (Human) Recombinant Protein

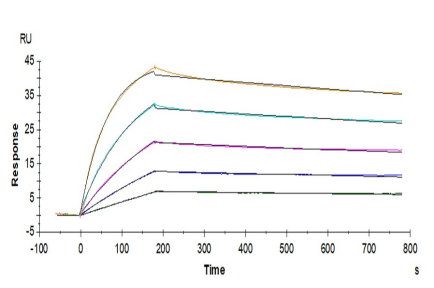
Catalog # P9873 Size 100 ug

Applications



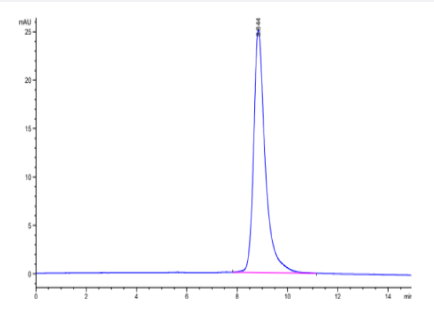
Enzyme-linked Immunoabsorbent Assay

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



Surface Plasmon Resonance

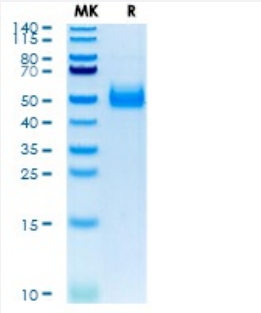
Human IL-17RB, His Tag immobilized on CM5 Chip can bind Human IL-25, His Tag with an affinity constant of 0.81 nM as determined in SPR assay (Biacore T200).



SEC-HPLC

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

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Tris-Bis PAGE

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

Specification

Product Description	Human IL17RB (Q9NRM6-1, Arg18-Per292) partial recombinant protein with His tag at C-Terminus expressed in HEK293 cells.
Sequence	Arg18-Per292
Host	Human
Theoretical MW (kDa)	31.4
Form	Lyophilized
Preparation Method	Mammalian cell (HEK293) expression system
Purity	> 95% as determined by Tris-Bis PAGE; > 95% as determined by HPLC
Endotoxin Level	< 1 EU per 1 ug of protein (determined by LAL method)
Activity	The EC_{50} was 4.4 ng/mL, messured by ELISA at 0.2 ug/mL. The affinity constant of 0.81 nM as deter mined in SPR assay (Biacore T200).
Quality Control Testing	SEC-HPLC and Tris-Bis PAGE SEC-HPLC The purity of Human IL-17RB is greater than 95% as determined by SEC-HPLC. Tris-Bis PAGE Human IL-17RB on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.
Recommend Usage	Biological Activity ELISA SDS-PAGE SPR The optimal working dilution should be determined by the end user.
Storage Buffer	Lyophilized from sterile distilled Water is > 100 ug/mL
Storage Instruction	Store at 2°C to 8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Result of bioactivity analysis

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Applications

- Functional Study
- Enzyme-linked Immunoabsorbent Assay

  Immobilized Human IL-17RB, His Tag at 0.2 ug/mL (100 uL/well) on the plate. Dose response curve for Anti-IL-17RB Antibody, hFc Tag with the EC50 of 4.4 ng/mL determined by ELISA (QC Test).
- SDS-PAGE
- Surface Plasmon Resonance

  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).

Gene Info — IL17RB

Entrez GeneID	55540
Protein Accession#	Q9NRM6-1
Gene Name	IL17RB
Gene Alias	CRL4, EVI27, IL17BR, IL17RH1, MGC5245
Gene Description	interleukin 17 receptor B
Omim ID	605458
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene is a cytokine receptor. This receptor specifically binds to IL17B and IL17E, but does not bind to IL17 and IL17C. This receptor has been shown to mediate the act ivation of NF-kappaB and the production of IL8 induced by IL17E. The expression of the rat count erpart of this gene was found to be significantly up-regulated during intestinal inflammation, which suggested the immunoregulatory activity of this receptor. [provided by RefSeq
Other Designations	IL-17B receptor|cytokine receptor CRL4|interleukin 17 receptor homolog 1|interleukin 17B recept or

Pathway

- Cytokine-cytokine receptor interaction

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Disease

- Adenocarcinoma
- Asthma
- Breast cancer
- Breast Neoplasms
- Cardiovascular Diseases
- Diabetes Mellitus
- Edema
- Esophageal Neoplasms
- Genetic Predisposition to Disease

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