

Datasheet for ABIN7274891

**IL17 Receptor B Protein (AA 18-292) (His tag)**

7 Images

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## Overview

Quantity:	100 µg
Target:	IL17 Receptor B (IL17RB)
Protein Characteristics:	AA 18-292
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This IL17 Receptor B protein is labelled with His tag.

## Product Details

Purpose:	Human IL-17RB Protein
Sequence:	Arg18-Per292
Characteristics:	Recombinant Human IL-17RB Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Arg18-Per292.
Purity:	> 95 % as determined by Tris-Bis PAGE, > 95 % as determined by HPLC
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.
Biological Activity Comment:	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. The affinity constant of 0.81 nM as determined in SPR assay (Biacore T200). See testing image for detail.

## Target Details

Target:	IL17 Receptor B (IL17RB)
Alternative Name:	IL-17RB ( <a href="#">IL17RB Products</a> )
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.
Molecular Weight:	31.4 kDa. Due to glycosylation, the protein migrates to 45-60 kDa based on Tris-Bis PAGE result.

## Application Details

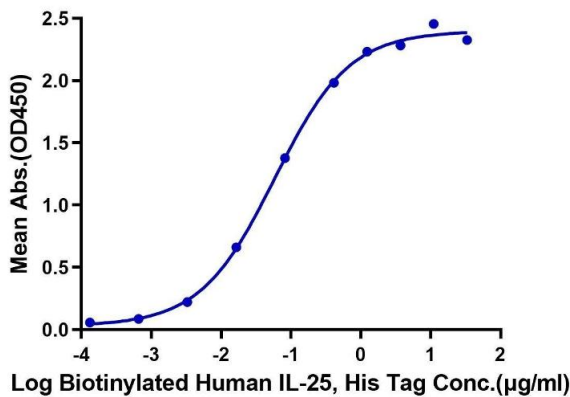
Restrictions:	For Research Use only
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## Handling

Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/mL is recommended. Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22µm filtered solution in PBS ( pH 7.4). Normally 8 % trehalose is added as protectant before lyophilization.
Storage:	-20 °C,-80 °C
Storage Comment:	-20 to -80°C for 12 months as supplied from date of receipt., -80°C for 3-6 months after reconstitution., 2-8°C for 2-7 days after reconstitution., Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.
Expiry Date:	12 months

Human IL-17RB, His Tag ELISA

0.5µg Human IL-17RB, His Tag Per Well

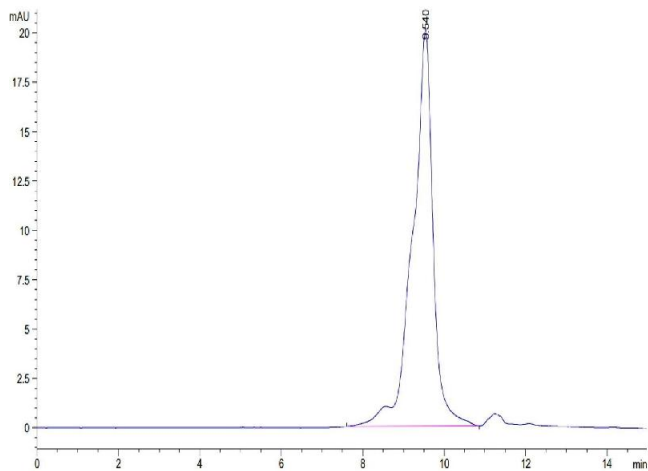


ELISA

**Image 1.** Immobilized Human IL-17RB, His Tag at 5 µg/mL (100 µL/well) on the plate. Dose response curve for Biotinylated Human IL-25, His Tag with the EC<sub>50</sub> of 58.5 ng/mL determined by ELISA.

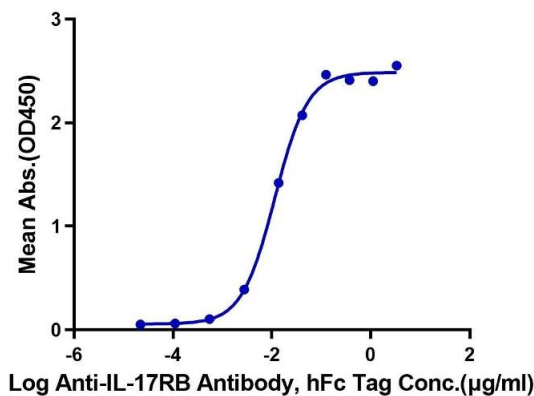
Size-exclusion chromatography-High Pressure Liquid Chromatography

**Image 2.** The purity of Human IL-17RB is greater than 95 % as determined by SEC-HPLC.



Human IL-17RB, His Tag ELISA

0.05µg Human IL-17RB, His Tag Per Well



ELISA

**Image 3.** Immobilized Human IL-17RB, His Tag at 0.5 µg/mL (100 µL/well) on the plate. Dose response curve for Anti-IL-17RB Antibody, hFc Tag with the EC<sub>50</sub> of 11.4 ng/mL determined by ELISA.

Please check the [product details page](#) for more images. Overall 7 images are available for ABIN7274891.