# Human IL-17RB Protein

**Cat. No.** IL1-HM2RB

## Description

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|---|---|
| **Source** | Recombinant Human IL-17RB Protein is expressed from HEK293 with hFc (IgG1) tag at the C-terminus. |
| | It contains Arg18-Per292. |
| **Accession** | Q9NRM6-1 |
| **Molecular Weight** | The protein has a predicted MW of 56.24 kDa. Due to glycosylation, the protein migrates to 70-90 kDa based on Bis-Tris PAGE result. |
| **Endotoxin** | Less than 1 EU per μg by the LAL method. |
| **Purity** | > 95% as determined by Bis-Tris PAGE |
| | > 95% as determined by HPLC |

## Formulation and Storage

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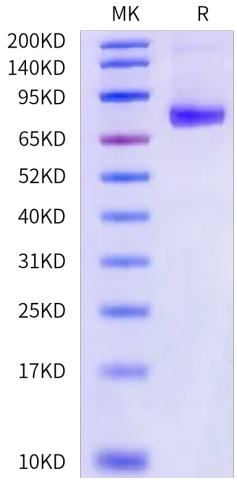
| **Formulation** | Lyophilized from 0.22 μm filtered solution in PBS, 8% trehalose (pH 7.4). |
| **Reconstitution** | Dissolve the lyophilized protein in distilled water. Please refer to the Certificate of Analysis for detailed instructions. |
| **Storage** | -20 to -80°C for 12 months as supplied from date of receipt.-80°C for 3 months after reconstitution.Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-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.

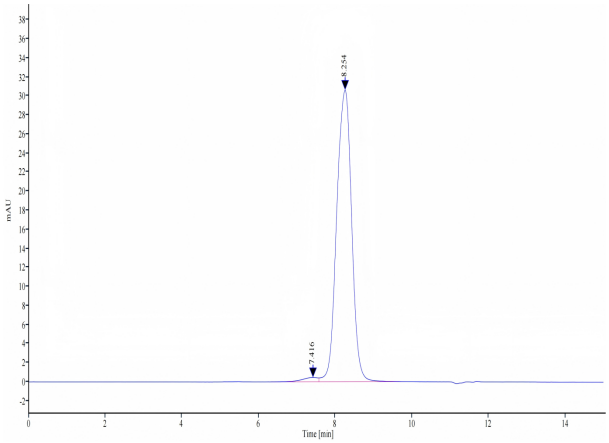
## Assay Data

### Bis-Tris PAGE




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

### SEC-HPLC




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

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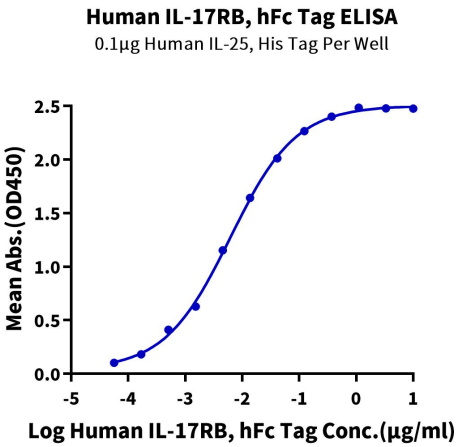
## Assay Data

### ELISA Data




Immobilized Human IL-25, His Tag (Cat.IL2-HM125) at 1μg/ml (100μl/well) on the plate. Dose response curve for Human IL-17RB, hFc Tag with the EC50 of 6.2ng/ml determined by ELISA.

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