

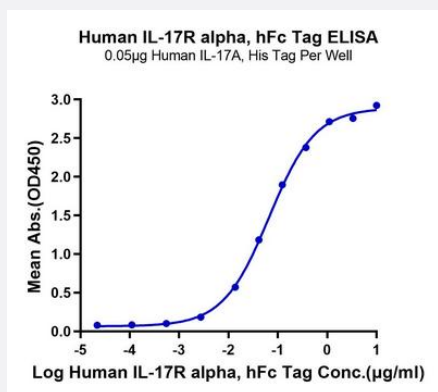
HuPro®

# IL17RA (Human) Recombinant Protein

Catalog # P9770

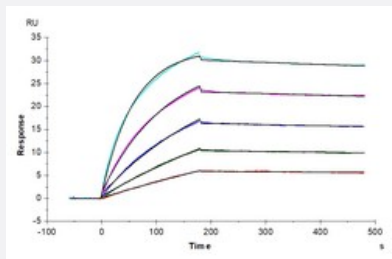
Size 100 ug

## Applications



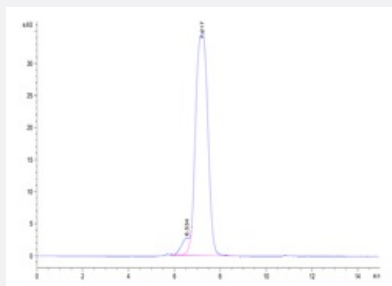
### Enzyme-linked Immunoabsorbent Assay

Immobilized Human IL-17A, His Tag at 0.5 ug/mL (100 uL/well) on the plate. Dose response curve for Human IL-17R alpha, hFc Tag with the EC<sub>50</sub> of 66.6 ng/mL determined by ELISA (QC Test).



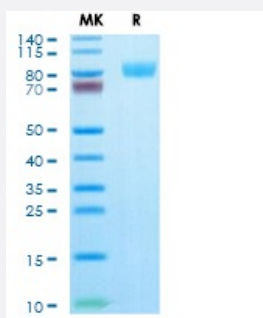
### Surface Plasmon Resonance

Human IL-17R alpha, hFc Tag captured on CM5 Chip via protein A can bind Biotinylated Human IL-17A, His-Avi Tag with an affinity constant of 2.18 nM as determined in SPR assay (Biacore T200).



### SEC-HPLC

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



## Tris-Bis PAGE

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

## Specification

<b>Product Description</b>	Human IL17RA (Q96F46-1, Leu33-Trp320) partial recombinant protein with hFc tag at C-Terminus expressed in HEK293 cells.
<b>Sequence</b>	Leu33-Trp320
<b>Host</b>	Human
<b>Theoretical MW (kDa)</b>	60.2
<b>Form</b>	Lyophilized
<b>Preparation Method</b>	Mammalian cell (HEK293) expression system
<b>Quality Control Testing</b>	SEC-HPLC and Tris-Bis PAGE SEC-HPLC The purity of Human IL-17R alpha is greater than 95% as determined by SEC-HPLC. Tris-Bis PAGE Human IL-17R alpha on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.
<b>Recommend Usage</b>	Biological Activity ELISA SPR SDS-PAGE The optimal working dilution should be determined by the end user.
<b>Storage Buffer</b>	Lyophilized from sterile distilled Water is > 100 ug/mL
<b>Storage Instruction</b>	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.
<b>Note</b>	Result of bioactivity analysis

## Applications

- Enzyme-linked Immunoabsorbent Assay

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- Functional Study

- SDS-PAGE

- Surface Plasmon Resonance

Human IL-17R alpha, hFc Tag captured on CM5 Chip via protein A can bind Biotinylated Human IL-17A, His-Avi Tag with an affinity constant of 2.18 nM as determined in SPR assay (Biacore T200).

## Gene Info — IL17RA

**Entrez GeneID** [23765](#)

**Protein Accession#** [Q96F46-1](#)

**Gene Name** IL17RA

**Gene Alias** CD217, CDw217, IL-17RA, IL17R, MGC10262, hIL-17R

**Gene Description** interleukin 17 receptor A

**Omim ID** [605461](#)

**Gene Ontology** [Hyperlink](#)

**Gene Summary** Interleukin 17A (IL17A) is a proinflammatory cytokine secreted by activated T-lymphocytes. It is a potent inducer of the maturation of CD34-positive hematopoietic precursors into neutrophils. The protein encoded by this gene (interleukin 17A receptor; IL17RA) is a ubiquitous type I membrane glycoprotein that binds with low affinity to interleukin 17A. Interleukin 17A and its receptor play a pathogenic role in many inflammatory and autoimmune diseases such as rheumatoid arthritis. Like other cytokine receptors, this receptor likely has a multimeric structure. [provided by RefSeq]

**Other Designations** interleukin 17A receptor

## Pathway

- [Cytokine-cytokine receptor interaction](#)

## Disease

- [Asthma](#)
- [Bronchiolitis](#)
- [Genetic Predisposition to Disease](#)
- [Infant](#)
- [Respiratory Syncytial Virus Infections](#)