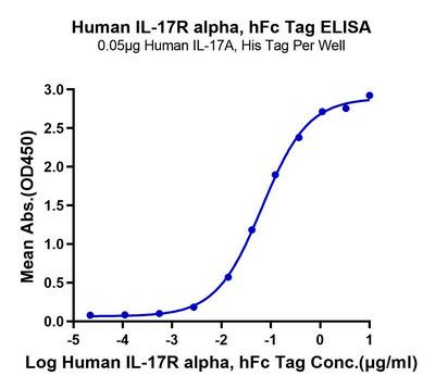
Bioactive CellTx™ HuPro®

IL17RA (Human) Recombinant Protein

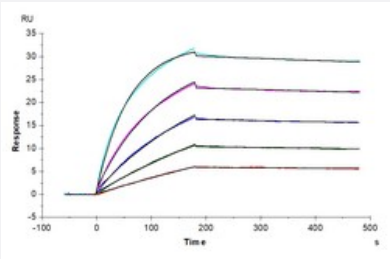
Catalog # P9770 Size 100 ug

Applications



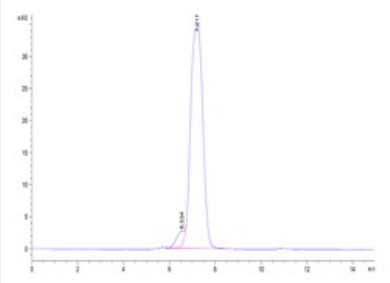
Enzyme-linked Immunoabsorbent Assay

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 EC50 of 66.6 ng/mL determined by ELISA (QC Test).



Surface Plasmon Resonance

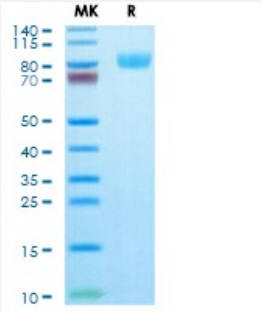
Human IL-17R alpha, hFc Tag captured on CM5 Chip via protein A can bind Biotinylated Human IL-17A, His-Avi Tag with an affinity constant of 2.18 nM as determined in SPR assay (Biacore T200).



SEC-HPLC

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

Copyright © 2023 Abnova Corporation. All Rights Reserved.



Tris-Bis PAGE

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

Specification

Product Description	Human IL17RA (Q96F46-1, Leu33-Trp320) partial recombinant protein with hFc tag at C-Terminus expressed in HEK293 cells.
Sequence	Leu33-Trp320
Host	Human
Theoretical MW (kDa)	60.2
Form	Lyophilized
Preparation Method	Mammalian cell (HEK293) expression system
Quality Control Testing	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%.
Recommend Usage	Biological Activity ELISA SPR SDS-PAGE 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

Applications

- Functional Study

Copyright © 2023 Abnova Corporation. All Rights Reserved.

- 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 EC50 of 66.6 ng/mL determined by ELISA (QC Test).

- 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 p otent inducer of the maturation of CD34-positive hematopoietic precursors into neutrophils. The p rotein encoded by this gene (interleukin 17A receptor; IL17RA) is a ubiquitous type I membrane gl ycoprotein that binds with low affinity to interleukin 17A. Interleukin 17A and its receptor play a pat hogenic role in many inflammatory and autoimmune diseases such as rheumatoid arthritis. Like ot her cytokine receptors, this receptor likely has a multimeric structure. [provided by RefSeq
Other Designations	interleukin 17A receptor

Pathway

- Cytokine-cytokine receptor interaction

Disease

- Asthma

Copyright © 2023 Abnova Corporation. All Rights Reserved.

- Bronchiolitis
- Genetic Predisposition to Disease
- Infant
- Respiratory Syncytial Virus Infections

Copyright © 2023 Abnova Corporation. All Rights Reserved.