

## ARG70290

### Human IL17RA recombinant protein (Active) (ECD) (His-tagged, C-ter)

Package: 100 µg

Store at: -20°C

## Summary

|                     |  |
|---------------------|--|
| Product Description | HEK293 expressed, His-tagged (C-ter) Active Human IL17RA recombinant protein (ECD).  |
| Tested Reactivity   | Hu   |
| Tested Application  | Binding, FuncSt, SDS-PAGE  |
| Target Name         | IL17RA (ECD)   |
| Species             | Human  |
| A.A. Sequence       | Leu33 - Trp320 of Human IL17RA (NP_055154.3) with 6X His tag at the C-terminus.  |
| Expression System   | HEK293   |
| Activity            | Active   |
| Activity Note       | Measured by its ability to inhibit IL-17A induced IL-6 secretion by HeLa cells. The ED50 for this effect is 0.02-0.1 µg/ml in the presence of 10 ng/ml recombinant human IL-17A. |
| Alternate Names     | Interleukin-17 receptor A; IL-17RA; IL-17 receptor A; hIL-17R; CANDF5; CDw217; IL17R; CD217; CD antigen CD217  |

## Application Instructions

|                  |   |
|------------------|---|
| Application Note | Binding activity test: Measured by its binding ability in a functional ELISA. Immobilized Recombinant human IL17RA , His Tag at 2 µg/ml (100 µl/well) can bind Recombinant human IL-17A, His Tag with a linear range of 31.25-65 ng/ml. |
|------------------|---|

## Properties

|                     |   |
|---------------------|---|
| Form                | Powder  |
| Purification Note   | 0.22 µm filter sterilized. Endotoxin level is 95% (by SDS-PAGE)   |
| Buffer              | PBS (pH 7.4)  |
| Reconstitution      | Reconstitute to a concentration of 0.1 - 0.5 mg/ml in sterile distilled water.  |
| Storage instruction | For long term, lyophilized protein should be stored at -20°C or -80°C. After reconstitution, aliquot and store at -20°C for up to one month, at 2-8°C for up to one week. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. |
| Note                | For laboratory research only, not for drug, diagnostic or other use.  |

## Bioinformation

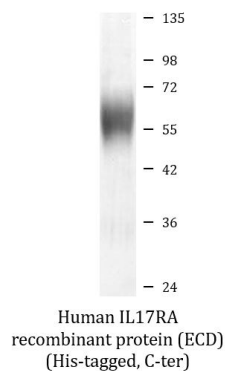
|                |  |
|----------------|--|
| Gene Symbol    | IL17RA   |
| Gene Full Name | interleukin 17 receptor A  |
| Background     | Interleukin 17A (IL17A) is a proinflammatory cytokine secreted by activated T-lymphocytes. It is a potent inducer of the maturation of CD34-positive hematopoietic precursors into neutrophils. The transmembrane 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. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Feb 2014]

|                       |  |
|-----------------------|--|
| Function              | Receptor for IL17A (PubMed:17911633, PubMed:9367539). Receptor for IL17F (PubMed:19838198, PubMed:17911633). Binds to IL17A with higher affinity than to IL17F (PubMed:17911633). Binds IL17A and IL17F homodimers as part of a heterodimeric complex with IL17RC (PubMed:16785495). Also binds heterodimers formed by IL17A and IL17F as part of a heterodimeric complex with IL17RC (PubMed:18684971). Receptor for IL17C as part of a heterodimeric complex with IL17RE (PubMed:21993848). Activation of IL17RA leads to induction of expression of inflammatory chemokines and cytokines such as CXCL1, CXCL8/IL8 and IL6 (PubMed:16785495, PubMed:17911633, PubMed:18684971). [UniProt] |
| Calculated Mw         | 96 kDa   |
| PTM                   | Glycosylated. [UniProt]  |
| Cellular Localization | Isoform 1: Cell membrane; Single-pass type I membrane protein. Isoform 2: Secreted. [UniProt]  |

## Images

---



ARG70290 Human IL17RA recombinant protein (Active) (ECD) (His-tagged, C-ter) SDS-PAGE image

SDS-PAGE analysis of ARG70290 Human IL17RA recombinant protein (Active) (ECD) (His-tagged, C-ter).