

Interleukin 17 Receptor A (IL17RA) Active Protein | IL17RA active protein

Active Interleukin 17 Receptor A (IL17RA)

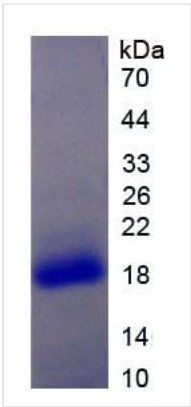
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA148242	E Coli	Human	Activity Assay, Cell Culture

PRODUCT SYNONYMS

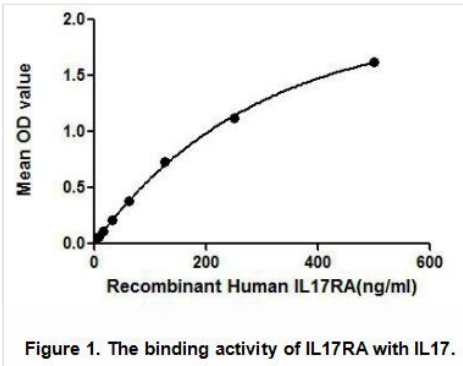
Interleukin 17 Receptor A (IL17RA); Active Interleukin 17 Receptor A (IL17RA); CDw217; CD217; IL17R-A; IL17-RA; IL17R; HIL-17R; IL17RA active protein

PRODUCT SPECIFICATIONS

Host	E Coli
Reactivity	Human
Purity/Purification	> 90%
Form/Format	Freeze-dried powder
Sequence Length	832
Applicable Applications for IL17RA active protein	Activity Assay, Cell Culture
Tag	N-terminal His Tag
Buffer Formulation	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
Fragment	Pro377~Phe534
Isoelectric Point	6.2



SDS-PAGE



Activity

Interleukin-17 receptor A (IL17RA) is a cytokine receptor which binds interleukin 17A (IL17A). IL17A is a proinflammatory cytokine secreted by activated T-lymphocytes. IL17RA, as a transmembrane protein, is a ubiquitous type I membrane glycoprotein that binds IL17A, IL17F and IL17C. Activation of IL17RA leads to induction of expression of inflammatory chemokines and cytokines such as CXCL1, CXCL8/IL8 and IL6. Thus a binding ELISA assay was constructed to detect the association of recombinant human IL17RA with recombinant human IL17A. Briefly, IL17RA were diluted serially in PBS, with 0.01%BSA (pH 7.4). Duplicate samples of 100uL were then transferred to IL17A-coated microtiter wells and incubated for 2h at 37 degree C. Wells were washed with PBST and incubated for 1h with anti-IL17RA pAb, then aspirated and washed 3 times. After incubation with HRP labelled secondary antibody, wells were aspirated and washed 3 times. With the addition of substrate solution, wells were incubated 15-25 minutes at 37 degree C. Finally, add 50uL stop solution to the wells and read at 450nm immediately. The binding activity of IL17RA with IL17A was shown in Figure 1 and this effect was in a dose dependent manner.

ADDITIONAL INFORMATION

Product Categories/Family for IL17RA active protein	Signal transduction; Infection immunity; Rheumatology
---	---

NCBI AND UNIPROT INFORMATION

NCBI GI #	583966138
NCBI GeneID	23765
NCBI Accession #	NP_001276834.1
NCBI GenBank Nucleotide #	NM_001289905.1
UniProt Accession #	Q96F46; O43844; Q20WK1
Molecular Weight	Predicted Molecular Weight: 19.0kDa Accurate Molecular Weight: 18kDa
NCBI Official Full Name	interleukin-17 receptor A isoform 2
NCBI Official Synonym Full Names	interleukin 17 receptor A
NCBI Official Symbol	IL17RA
NCBI Official Synonym Symbols	CD217; IL17R; IMD51; CANDF5; CDw217; IL-17RA; hIL-17R
NCBI Protein Information	interleukin-17 receptor A
UniProt Protein Name	Interleukin-17 receptor A
UniProt Gene Name	IL17RA
UniProt Synonym Gene Names	IL17R; IL-17 receptor A; IL-17RA

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://stage.aaabiotech.com/e-coli-human-active-protein/interleukin-17-receptor-a-il17ra/148242>