

Human IL-17RA PicoKine ELISA Kit | IL17RA elisa kit

Human IL-17RA PicoKine ELISA Kit

CATALOG #
AAA46142

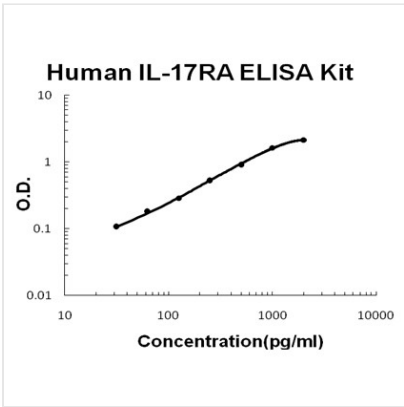
REACTIVITY
Human

PRODUCT SYNONYMS

IL-17RA PicoKine; Human IL-17RA PicoKine ELISA Kit; Interleukin-17 receptor A; CANDF5; CD217; CD217 antigen; CDw217; CTLA8; HIL 17R; IL17RA_HUMAN; IL 17 receptor A; IL 17 receptor; IL 17RA; IL-17 receptor A; IL-17RA; IL17; IL17A receptor; IL17R; IL17RA; Interleukin 17 receptor A; MGC10262 ; interleukin 17 receptor A; IL17RA elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Natural and recombinant human IL-17RA
Sequence Length	832
Assay Range	31.2pg/ml-2000pg/ml
Sensitivity	<10pg/ml
Sample	For quantitative detection of human IL-17RA in cell culture supernates, serum and plasma(heparin, EDTA).
Immunogen	NSO, L33-W320
Assay Procedure Step 1	Aliquot 0.1ml per well of the 2000pg/ml,1000pg/ml, 500pg/ml, 250pg/ml, 125pg/ml, 62.5pg/ml, 31.2pg/ml human IL-17RA standard solutions into the precoated 96-well plate. Add 0.1ml of the sample diluent buffer into the control well (Zero well). Add 0.1ml of each properly diluted sample of human cell culture supernates, serum and plasma (heparin, EDTA) to each empty well. It is recommended that each human IL-17RA standard solution and each sample be measured in duplicate.
Intra-Assay Precision	Inter-Assay Precision Sample 1 2 3 1 2 3 n 16 16 16 24 24 24 Mean(pg/ml) 258 762 1229 262 770 1335 Standard deviation 17.02 44.95 70.05 18.34 49.28 82.77 CV(%) 6.6 5.9 5.7 7.0 6.4 6.2
Sample Data	Concentration(pg/ml) 0 31.2 62.5 125 250 500 1000 2000 O.D. 0.033 0.108 0.182 0.287 0.531 0.912 1.613 2.116
Anticoagulant	Heparin or EDTA
Preparation and Storage	Store at 4 degree C for 6 months, at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles.



Standard Curve (Sample)
Human IL-17RA PicoKine ELISA Kit standard curve

ADDITIONAL INFORMATION

Related Product Information for IL17RA elisa kit	Principle of the assay: Human IL-17RA ELISA Kit was based on standard sandwich enzyme-linked immune-sorbent assay technology. A monoclonal antibody from mouse specific for IL-17RA has been precoated onto 96-well plates. Standards (NSO, L33- W320) and test samples are added to the wells, a biotinylated detection polyclonal antibody from goat specific for IL-17RA is added subsequently and then followed by washing with PBS or TBS buffer. Avidin-Biotin-Peroxidase Complex was added and unbound conjugates were washed away with PBS or TBS buffer. HRP substrate TMB was used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the human IL-17RA amount of sample captured in plate. Background: Interleukin 17 receptor A, also known as IL17RA and CDw217 (cluster of differentiation w217), is a human gene. The IL17R gene is mapped to 22q11.22-q11.23 by radiation hybrid analysis. 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 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. Also, it is showed that mouse Il17r bound HSV-13 and mouse Il17. Recombinant soluble Il17r inhibited mitogen-induced T-cell proliferation and Il2 production.
--	--

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	92,153 Da
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; 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
UniProt Entry Name	I17RA_HUMAN

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/human-elisa-kits/il-17ra-picokine/46142>