

IL-17F elisa kit

Human IL-17F PicoKine ELISA Kit

CATALOG #
AAA124973

REACTIVITY
HumanThere is no detectable cross-reactivity with other relevant proteins.

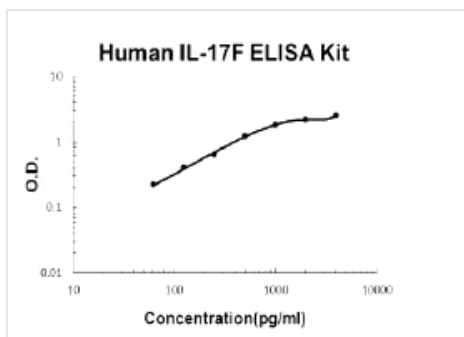
PRODUCT SYNONYMS

IL-17F; Human IL-17F PicoKine ELISA Kit; Human IL-17F; Interleukin-17F; Cytokine ML-1; IL17F; Interleukin 17F; IL-17F elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human There is no detectable cross-reactivity with other relevant proteins.
Specificity	Natural and recombinant Human IL17A
Sequence Length	163
Samples	Cell Culture Supernates, Cell Lysates, Serum And Plasma (Heparin, Edta)
Detection Range	31.2pg/ml-2000pg/ml
Sensitivity	<1pg/ml
Intra-assay Precision	Intra-Assay Precision (Precision within an assay): Three samples of known concentration were tested on one plate to assess intra-assay precision
Inter-assay Precision	Inter-Assay Precision (Precision accross assays):Three samples of known concentration were tested in separate assays to assess inter-assay precision.
Preparation and Storage	Store at 4 degree C for 6 months. Store at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for IL-17F elisa kit	Principle of the Assay: The Picokine Human IL17A Pre-Coated ELISA (Enzyme-Linked Immunosorbent Assay) kit is a solid phase immunoassay specially designed to measure Human IL17A with a 96-well strip plate that is pre-coated with antibody specific for IL17A. The detection antibody is a biotinylated antibody specific for IL17A. The capture antibody is monoclonal antibody from mouse, the detection antibody is polyclonal antibody from goat. The kit contains recombinant Human IL17A with immunogen: Expression system for standard: E.coli; Immunogen sequence: I20-A155. The kit is analytically validated with ready to use reagents. To measure Human IL17A, add standards and samples to the wells, then add the biotinylated detection antibody. Wash the wells with PBS or TBS buffer, and add Avidin-Biotin-Peroxidase Complex (ABC-HRP). Wash away the unbounded ABC-HRP with PBS or TBS buffer and add TMB. TMB is substrate to HRP and will be catalyzed to produce a blue color product, which changes into yellow after adding acidic stop solution. The density of the yellow product is linearly propotional to Human IL17A in the sample. Read the density of the yellow product in each well using a plate reader, and benchmark the sample wells' readings against the standard curve to determine the concentration of Human IL17A in the sample!!Background/Introduction: IL-17 is an inflammatory cytokine produced primarily by a unique lineage of CD4 T cells that plays critical roles in the pathogenesis of multiple autoimmune diseases. Interleukin-17 is expressed by activated T cells and is 57% identical to the 17-to 26-kD secretory glycoprotein encoded by gene 13 of the herpesvirus saimiri(HVS-13). IL17 induces nuclear factor kappa-B and the expression of IL6, intercellular adhesion molecule-1, granulocyte macrophage colony-stimulating factor,and prostaglandin E2, as well as the maturation of CD34 positive hematopoietic precursors into neutrophils. Anti-IL17 antibodies significantly inhibited osteoclast formation induced by culture media of RA synovial tissues. The standard product used in this kit is recombinant human IL-17, consisting of 136 amino acids with the molecular mass of 16KDa.
--	--

NCBI AND UNIPROT INFORMATION

NCBI GI #	16418375
NCBI GeneID	112744
NCBI Accession #	NP_443104.1
NCBI GenBank Nucleotide #	NM_052872.3
UniProt Accession #	Q96PD4; Q6NSI0; Q7Z6P4; Q96PI8; Q9NUE6
Molecular Weight	18,045 Da
NCBI Official Full Name	interleukin-17F
NCBI Official Synonym Full Names	interleukin 17F
NCBI Official Symbol	IL17F
NCBI Official Synonym Symbols	ML1; ML-1; CANDF6; IL-17F
NCBI Protein Information	interleukin-17F
UniProt Protein Name	Interleukin-17F
UniProt Gene Name	IL17F
UniProt Synonym Gene Names	IL-17F

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-17f/124973>