

Rat IL-17F ELISA Kit | IL17F elisa kit

Rat IL-17F PicoKine ELISA Kit

CATALOG #
AAA45948

REACTIVITY
Rat

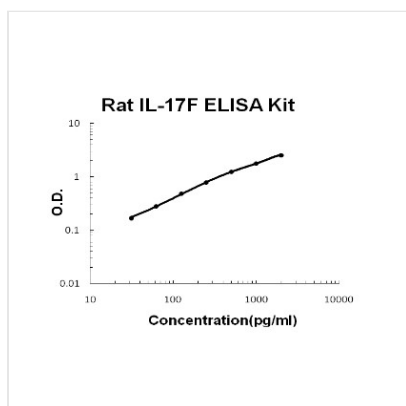
PRODUCT SYNONYMS

IL-17F; Rat IL-17F PicoKine ELISA Kit; Interleukin-17F; interleukin 17F; CANDF6; Cytokine ML 1; Cytokine ML-1; IL 17F; IL 24; IL-24; Il17f; IL17F_HUMAN; Interleukin 17F; Interleukin 24; Interleukin-24; ML 1; ML1; IL17F elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	Natural and recombinant rat IL-17F
Sequence Length	161
Samples	Cell culture supernates, serum and plasma (heparin, EDTA)
Assay Type	Sandwich
Detection Range	31.2pg/ml-2000pg/ml
Sensitivity	< 10pg/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 between 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, at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles (Shipped with wet ice.)

IMAGES



Standard Curve (Sample)

Rat IL-17F PicoKine ELISA Kit standard curve

ADDITIONAL INFORMATION

Related Product Information for IL17F elisa kit	Principle of the assay: rat IL-17F ELISA Kit was based on standard sandwich enzyme-linked immune-sorbent assay technology. A monoclonal antibody from mouse specific for IL-17F has been precoated onto 96-well plates. Standards(E.coli, A19-A153) and test samples are added to the wells, a biotinylated detection polyclonal antibody from goat specific for IL-17F 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 rat IL-17F amount of sample captured in plate. Background: Interleukin 17F, also called IL17F is involved in the regulation of normal versus aberrant T-cell responses. This gene is mapped to 6p12.2. The protein encoded by this gene is a cytokine that shares sequence similarity with IL17. This cytokine is expressed by activated T cells, and has been shown to stimulate the production of several other cytokines, including IL6, IL8, and CSF2/GM-CSF. This cytokine is also found to inhibit the angiogenesis of endothelial cells and induce endothelial cells to produce IL2, TGFB1/TGFB, and monocyte chemoattractant protein-1. It is suggested that targeting IL17 and IL17F or antagonizing IL17R might mitigate neutrophil-mediated inflammation in CF.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	239977323
NCBI GeneID	301291
UniProt Accession #	Q5BJ95
Molecular Weight	17,712 Da
NCBI Official Full Name	Interleukin-17F
NCBI Official Synonym Full Names	interleukin 17F
NCBI Official Symbol	IL17f
NCBI Protein Information	interleukin-17F; IL-17F
UniProt Protein Name	Interleukin-17F
UniProt Gene Name	IL17f
UniProt Synonym Gene Names	IL-17F
UniProt Entry Name	IL17F_RAT

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/il17f-rat-elisa-kits/il-17f/45948>