

Mouse IL-17 ELISA Kit | IL17A elisa kit

Mouse IL-17 PicoKine ELISA Kit

CATALOG #
AAA45311

REACTIVITY
Mouse

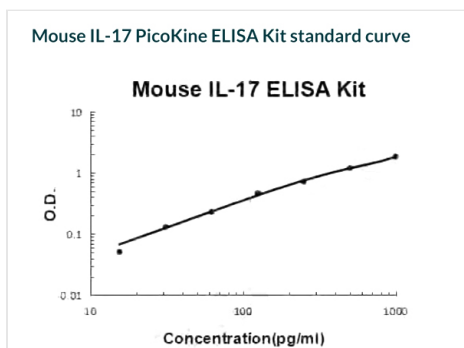
PRODUCT SYNONYMS

IL-17; Mouse IL-17 PicoKine ELISA Kit; Interleukin-17A; interleukin 17A; CTLA 8; CTLA-8; CTLA8; Cytotoxic T lymphocyte associated antigen 8; Cytotoxic T lymphocyte associated protein 8; Cytotoxic T lymphocyte associated serine esterase 8; Cytotoxic T-lymphocyte-associated antigen 8; IL 17; IL 17A; IL-17A; IL17_HUMAN; IL17a; Interleukin 17A; Interleukin17; Interleukin17A; IL17A elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	Natural and recombinant Mouse IL17a
Sequence Length	158
Samples	Cell culture supernatants, cell lysates, serum and plasma (heparin, EDTA)
Detection Range	15.6 pg/ml - 1,000 pg/ml
Sensitivity	<1 pg/ml
Intra-assay Precision	Three samples of known concentration were tested on one plate to assess intra-assay precision.
Inter-assay Precision	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)

ADDITIONAL INFORMATION

Related Product Information for IL17A elisa kit	Background: 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 mouse IL-17, consisting of 137 amino acids with the molecular mass of 15.5KDa. Principle of the Assay: The Picokine™ Mouse Il17a Pre-Coated ELISA (Enzyme-Linked Immunosorbent Assay) kit is a solid-phase immunoassay specially designed to measure Mouse 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 rat and the detection antibody is polyclonal antibody from goat. The kit contains recombinant Mouse Il17a with immunogen: Expression system for standard: E.coli; Immunogen sequence: T22-A158. The kit is analytically validated with ready-to-use reagents. To measure Mouse 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 an HRP substrate and will be catalyzed to produce a blue color product, which changes into yellow after adding the acidic stop solution. The absorbance of the yellow product at 450nm is linearly proportional to Mouse Il17a in the sample. Read the absorbance 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 Mouse Il17a in the sample.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	81887746
NCBI GeneID	16171
UniProt Accession #	Q544E6; Q62386
Molecular Weight	17,490 Da
NCBI Official Full Name	0 day neonate thymus cDNA, RIKEN full-length enriched library, clone:A430092O03 product:interleukin 17, full insert sequence (Interleukin 17A)
NCBI Official Synonym Full Names	interleukin 17A
NCBI Official Symbol	Il17a
NCBI Official Synonym Symbols	Il17; Ctl8; IL-17; Ctl8; IL-17A
NCBI Protein Information	interleukin-17A; cytotoxic T-lymphocyte-associated antigen 8
UniProt Protein Name	Interleukin 17A
UniProt Gene Name	Il17a
UniProt Entry Name	Q544E6_MOUSE

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.

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Online datasheet: <https://www.aaabiotech.com/il17a-mouse-elisa-kits/il-17/45311>