

Mouse interleukin 17A ELISA Kit | IL17A elisa kit

Mouse Interleukin 17, IL-17 ELISA Kit

CATALOG #
AAA79815

REACTIVITY
Mouse

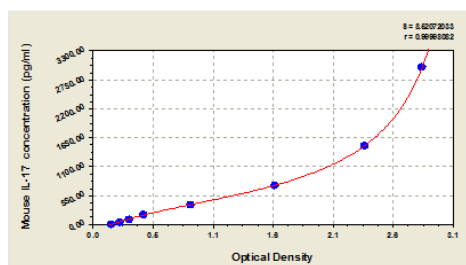
PRODUCT SYNONYMS

interleukin 17A; Mouse Interleukin 17; IL-17 ELISA Kit; CTLA8; IL-17; IL-17A; IL17; cytotoxic T-lymphocyte-associated antigen 8; cytotoxic T-lymphocyte-associated protein 8; cytotoxic T-lymphocyte-associated serine esterase 8; interleukin 17 (cytotoxic T-ly; IL17A elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of Mouse IL17A. No significant cross-reactivity or interference between Mouse IL17A and analogues was observed.
Sequence Length	158
Samples	Serum, plasma, tissue homogenates and cell culture supernates
Detection Range	47 pg/ml-3000 pg/ml
Sensitivity	11.75 pg/ml
Intra-assay Precision	Intra-assay Precision (Precision within an assay): CV% is less than 8% Three samples of known concentration were tested twenty times on one plate to assess. Inter-assay Precision (Precision between assays): CV% is less than 10% Three samples of known concentration were tested in twenty assays to assess.
Detection Wavelength	450 nm
Sample Volume	50-100ul
Preparation and Storage	Unopened test kits should be stored at 2 to 8 degree C upon receipt. Please refer to pdf manual for further storage instructions.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for IL17A elisa kit	Introduction: Interleukin-17 (IL-17, or IL-17A) is the founding member of a group of cytokines called the IL-17 family. IL-17A, was originally identified as a transcript from a rodent T-cell hybridoma by Rouvier et al. in 1993. Known as CTLA8 in rodents, IL-17 shows high homology to viral IL-17 encoded by an open reading frame of the T lymphotropic rhadinovirus Herpesvirus saimiri.[1] To elicit its functions, IL-17 binds to a type I cell surface receptor called IL-17R of which there are at least three variants IL17RA, IL17RB, and IL17RC. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to IL-17. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific for IL-17 and Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. Then a TMB (3,3',5,5' tetramethyl-benzidine) substrate solution is added to each well. Only those wells that contain IL-17, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm +/- 2 nm. The concentration of IL-17 in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	6754324
NCBI GeneID	16171
NCBI Accession #	NP_034682.1
NCBI GenBank Nucleotide #	NM_010552.3
UniProt Accession #	Q62386; Q60971
Molecular Weight	17,490 Da
NCBI Official Full Name	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 Synonym Gene Names	Ctl8; Il17; IL-17; IL-17A; CTLA-8
UniProt Entry Name	IL17_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.