

General IL-17A total antigen assay ELISA Kit | IL17A elisa kit

Mouse IL-17A total antigen assay ELISA Kit

CATALOG #
AAA37774

REACTIVITY
General

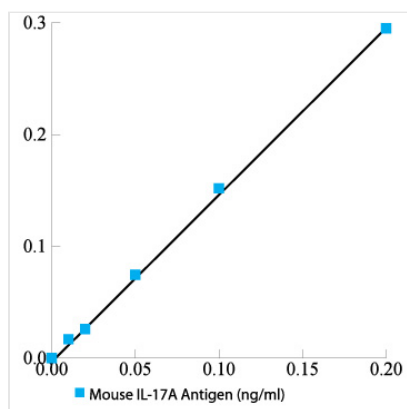
PRODUCT SYNONYMS

IL-17A total antigen assay; Mouse IL-17A total antigen assay ELISA Kit; IL17A elisa kit

PRODUCT SPECIFICATIONS

Reactivity	General
Form/Format	Complete Kit
Sequence Length	158
Samples	Cell culture media
Sensitivity	The minimum detectable dose (MDD) was determined by adding two standard deviations to the mean optical density value of twenty zero standard replicates (range OD450: 0.056-0.069) and calculating the corresponding concentration. The MDD was 4.8 pg/ml.
Intra-assay Precision	Three samples of known concentration were tested twenty times on one plate to assess intra-assay precision.
Inter-assay Precision	Three samples of known concentration were tested in ten independent assays to assess inter-assay precision.
Preparation and Storage	Store at 4 degree C. Shelf Life: 12 months from manufacture, see label for expiration date

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for IL17A elisa kit	Intended Uses: This mouse IL-17A antigen assay is intended for the quantitative determination of total mouse IL-17A antigen in cell culture media. For research use only. Principle of the Assay: Mouse IL-17A will bind to the capture antibody coated on the microtiter plate. After appropriate washing steps, biotinylated primary antibody binds to the captured protein. Excess primary antibody is washed away and bound antibody is reacted with horseradish peroxidase conjugated streptavidin. Following an additional washing step, TMB substrate is used for color development at 450nm. A standard calibration curve is prepared along with the samples to be measured using dilutions of mouse IL-17A. The amount of color development is proportional to the concentration of mouse IL-17A in the samples. Background: Mouse Interleukin-17A (aka IL-17, IL-17A or CTLA-8) is a 133 amino acid disulfide-linked homodimeric glycoprotein that is the founding member of the IL-17 family of proteins [1-2]. IL-17A is a proinflammatory cytokine that participates in neutrophil recruitment and is primarily expressed in CD4+ T cells [3]. IL-17A has been shown in a mouse knockout model to play a vital role in allergen-specific immune responses via T cell activation [4]. It binds to the IL-17RA and IL-17RC receptors which are expressed in TH17, CD8+ T, gammadeltaT, NK, NKT and LTαi cells [5].
Product Categories/Family for IL17A elisa kit	Interleukins; Interleukin ELISA Kits

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; Ctl α 8; IL-17; Ctl α -8; 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	Ctl α 8; 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.

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Online datasheet: <https://www.aaabiotech.com/il17a-general-elisa-kits/il-17a-total-antigen-assay/37774>