

Horse Interleukin 17 (IL17) ELISA Kit | IL17 elisa kit

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CATALOG #
AAA182681

REACTIVITY
Horse

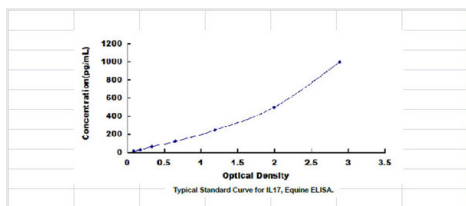
PRODUCT SYNONYMS

Interleukin 17 (IL17); Horse Interleukin 17 (IL17) ELISA Kit; IL17A; CTLA8; IL-17A; Cytotoxic T-Lymphocyte-Associated Protein 8; IL17 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Horse
Specificity	This assay has high sensitivity and excellent specificity for detection of IL17. No significant cross-reactivity or interference between IL17 and analogues was observed.
Sequence Length	9
Assay Type	Quantitative Sandwich
Samples	Equine serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids
Detection Range	15.6-1,000pg/mL
Sensitivity	< 5.6pg/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level IL17 were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level IL17 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for IL17 elisa kit	Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to IL17. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to IL17. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain IL17, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm ± 10nm. The concentration of IL17 in the samples is then determined by comparing the O.D. of the samples to the standard curve. Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of IL17 in equine serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids.
References	Ex Vivo and In Vitro Analysis Identify a Detrimental Impact of Neutrophil Extracellular Traps on Eye Structures in Equine Recurrent Uveitis; <i>Front Immunol</i>; 2022 Feb 10;13:830871.; PMID: 35251020; Leonie Fingerhut; Department of Biochemistry, University of Veterinary Medicine Hannover, Hannover, Germany.

NCBI AND UNIPROT INFORMATION

NCBI GI #	55139064
NCBI GeneID	3605
Molecular Weight	933 Da
NCBI Official Full Name	interleukin-17, partial
NCBI Official Synonym Full Names	interleukin 17A
NCBI Official Symbol	IL17A
NCBI Official Synonym Symbols	IL17; CTLA8; IL-17; CTLA-8; IL-17A
NCBI Protein Information	interleukin-17A
UniProt Protein Name	Interleukin-17
UniProt Gene Name	IL17

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.