

IL-17A antibody pair kit

Human IL-17A ELISA Set

CATALOG #
AAA58625

REACTIVITY
Human. No cross reactivity with other human cytokines.

PRODUCT SYNONYMS

IL-17A; Human IL-17A ELISA Set; IL-17A antibody pair kit

PRODUCT SPECIFICATIONS

Reactivity	Human. No cross reactivity with other human cytokines.
Specificity	The assay recognizes natural human IL-17A. To define specificity of this ELISA, several proteins were tested for cross reactivity. There was no cross reactivity observed for any protein tested (IL-1beta, IL-6, IL-23, IFNgamma, IL-17B, IL-17D??, IL-17E, IL-17F, IL-17A/F and murine IL-17A).
Sequence Length	155
Samples	Supernatants, Buffered Solutions Or Serum And Plasma Samples And Other Body Fluids
Assay Type	Qualitative Sandwich
Sensitivity	<2.3pg/ml
Intra-assay Precision	Reproducibility within the assay will be evaluated in three independent experiments. Each assay will be carried out with 6 replicates (3 duplicates) in 2 human pooled serum, 2 in RPMI and 2 in standard diluent with samples containing different concentrations of IL-17A. 2 standard curves were run on each plate The overall intra-assay coefficient of variation has been calculated to be 3.3%
Inter-assay Precision	Assay to assay reproducibility within one laboratory will be evaluated in three independent experiments by two technicians. Each assay will be carried out with 6 replicates (3 duplicates) in 2 human pooled serum, 2 in RPMI and 2 in standard diluent with samples containing different concentrations of IL-17A. 2 standard curves were run on each plate. The calculated overall coefficient of variation was 5.2%.

ADDITIONAL INFORMATION

Related Product Information for IL-17A antibody pair kit	Intended Uses: The IL-17A ELISA kit is a solid phase sandwich ELISA for the in vitro qualitative and quantitative determination of IL-17A in supernatants, buffered solutions or serum and plasma samples and other body fluids. This assay will recognise both natural and recombinant human IL-17A. This kit has been configured for research use only. Principle of the Assay: A capture Antibody highly specific for IL-17A has been coated to the wells of the microtitre strip plate provided during manufacture. Binding of IL-17A in samples and known standards to the capture antibodies is completed and then any excess unbound analyte is removed. During the next incubation period the binding of the biotinylated anti-IL-17A secondary antibody to the analyte occurs. Any excess unbound secondary antibody is then removed. The HRP conjugate solution is then added to every well including the zero wells, following incubation excess conjugate is removed by careful washing. A chromogen substrate is added to the wells resulting in the progressive development of a blue coloured complex with the conjugate. The colour development is then stopped by the addition of acid turning the resultant final product yellow. The intensity of the produced coloured complex is directly proportional to the concentration of IL-17A present in the samples and standards. The absorbance of the colour complex is then measured and the generated OD values for each standard are plotted against expected concentration forming a standard curve. This standard curve can then be used to accurately determine the concentration of IL-17A in any sample tested.
Product Categories/Family for IL-17A antibody pair kit	Human ELISA Sets

NCBI AND UNIPROT INFORMATION

NCBI GI #	4504651
NCBI GeneID	3605
NCBI Accession #	NP_002181.1
NCBI GenBank Nucleotide #	NM_002190.2
UniProt Accession #	Q16552; Q5T2P0
Molecular Weight	17,504 Da
NCBI Official Full Name	interleukin-17A
NCBI Official Synonym Full Names	interleukin 17A
NCBI Official Symbol	IL17A
NCBI Official Synonym Symbols	IL17; CTLA8; IL-17; IL-17A
NCBI Protein Information	interleukin-17A
UniProt Protein Name	Interleukin-17A
UniProt Gene Name	IL17A
UniProt Synonym Gene Names	CTLA8; IL17; IL-17; IL-17A; CTLA-8
UniProt Entry Name	IL17_HUMAN

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://stage.aaabiotech.com/human-antibody-pair-kits/il-17a/58625>