

Human IL-17 ELISA Kit | IL-17 elisa kit

Human IL-17 ELISA KIT

CATALOG #
AAA309878

REACTIVITY
Human

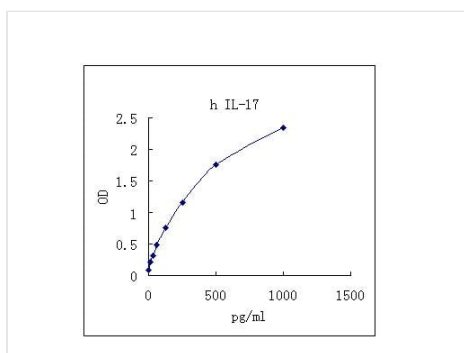
PRODUCT SYNONYMS

IL-17; Human IL-17 ELISA KIT; Human IL-17; IL-17 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Natural and recombinant Human IL-17 Ligand
Assay Type	Solid Phase Sandwich ELISA
Samples	Cell culture supernatant, serum, plasma (EDTA, citrate, heparin)
Detection Range	15.625-1000pg/mL
Sensitivity	7pg/mL
Assay Time	3 hours
Sample Volume	20 uL
Detection Method	Colorimetric
Preparation and Storage	Store at 4 degree C

IMAGES



Standard Curve (Sample)

Representative standard curve for IL-17 ELISA. IL-17 was diluted in serial two-fold steps in Sample Diluent.

ADDITIONAL INFORMATION

Related Product Information for IL-17 elisa kit	IL-17, originally identified as mouse cytotoxic T lymphocyte-associated antigen-8 (CTLA-8) (1), is produced by activated T lymphocytes, primarily by memory T cells (1-4). IL-17 appears to mediate communication between the immune system and the hematopoietic system.IL-17 is a disulfide-linked homodimer (2, 4). Each polypeptide has 155 amino acid (aa) residues (predicted mass = 17.5 kDa), including a 19 aa residue hydrophobic leader sequence (2). There are six cysteines plus one potential N-linked glycosylation site, which is variably glycosylated, at least with recombinant proteins (2, 4). The aa sequence of human IL-17 is 63% and 58% identical to mouse and rat IL-17 and 72% identical to the thirteenth ORF of Herpesvirus saimiri (2, 4). There is at least some species specificity for in vitro action on bone-marrow stromal cells (3).IL-17 mediation of T cell communication with the hematopoietic system is suggested by two observations. T cell-derived IL-17 induces fibroblasts to produce IL-6, IL-8, ICAM-1 and G-CSF, apparently by an NF-?B-mediated mechanism (5). IL-6 in turn promotes development of granulocyte/macrophage colonies, and G-CSF directs development of neutrophils (4, 6-9). IL-17 also enhances proliferation of partially activated T cells (5) and upregulates nitric oxide (NO) production in osteoarthritic cartilage (10).
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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; CTLA-8; 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

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.