

IL-17A elisa kit

Human IL-17A ELISA Kit

CATALOG #
AAA58612

REACTIVITY
Human. No cross reaction with other human cytokines.

PRODUCT SYNONYMS

IL-17A; Human IL-17A ELISA Kit; IL-17A elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human. No cross reaction 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-1P, IL-6, IL-23, IFN γ , IL-17B, IL-17D, IL-17E, IL-17F, IL-17A1F and murine IL-17A).
Sequence Length	155
Samples	Human Serum, Plasma, Body Fluids, Tissue Homogenate Or Cell Culture Supernates
Assay Type	Sandwich
Detection Range	31.2 pg/ml-2000 pg/ml
Sensitivity	<2 pg/ml

ADDITIONAL INFORMATION

Related Product Information for IL-17A elisa kit	Intended Uses: The IL-12(P40) ELISA has been designed for the precise measurement of IL-12(P40) in human serum, plasma, body fluids, tissue homogenate or cell culture supernates. For research use only. Principle of the Assay: This kit is based on a sandwich enzyme-linked immune-sorbent assay technology. An analyte-specific polyclonal antibody is pre-coated onto 96-well plates. The biotin conjugated second antibody is used as detection antibody. During the first incubation the standards and samples react with the analyte-specific pre-coated antibody. In a second incubation the biotin conjugated detection antibody completes the sandwich. After washing with wash buffer the TMB substrate is added to visualize HRP enzymatic reaction. TMB is catalyzed by HRP to produce a blue color product that changes into yellow after adding acidic stop solution. The optical density of the yellow color is proportional to the analyte captured in plate. Read the O.D. absorbance at 450nm in a microtiterplate reader, and calculate the concentration of the analyte in the sample by taking into consideration the dilution factor of the sample!! Background/Introduction: Interleukin 12 (IL-12) is an interleukin that is naturally produced by dendritic cells, macrophages and human Blymphoblastoid cells (NC-37) in response to antigenic stimulation. IL-12 is composed of a bundle of four alpha helices. It is a heterodimeric cytokine encoded by two separate genes, IL-12A (p35) and IL-12B (p40). IL-12 plays an important role in the activities of natural killer cells and T lymphocytes. It mediates enhancement of the cytotoxic activity of NK cells and CD8+ cytotoxic T lymphocytes. IL-12 also has anti-angiogenic activity, which means it can block the formation of new blood vessels. IL12 p40 exists as a monomer and as a homodimer. The IL12B gene contains 8 exons, and maps to 5q31-q33.
Product Categories/Family for IL-17A elisa kit	Human ELISA Kit
References	Cunin, P. et al., J. Immunol.,2011;186(7): 4175-4182. Rana, A. et al.,Lupus,2012; 21(10): 1105-1112 Kanda, K., et al., Exerc Immunol Rev.,2014 ; 20: 39-54

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://www.aaabiotech.com/human-elisa-kits/il-17a/58612>