

Human IL-15 ELISA Kit | IL-15 elisa kit

IL-15 Human ELISA Kit

CATALOG # AAA58916	REACTIVITY Human	APPLICATIONS ELISA
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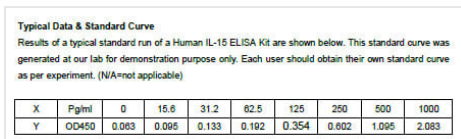
PRODUCT SYNONYMS

IL-15; IL-15 Human ELISA Kit; Human IL-15; IL-15 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Rat Serum, Body Fluids, Tissue Lysates Or Cell Culture Supernatants
Assay Type	Sandwich
Detection Range	31.2 pg/ml-2000 pg/ml
Applicable Applications for IL-15 elisa kit	ELISA
Preparation and Storage	Store at 2-8 degree C for 4 months, or at -20 degree C for 8 months.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for IL-15 elisa kit

Principle of the Assay: This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti-IL-10 polyclonal antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-IL-10 polyclonal antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and wash with wash buffer. Avidin-Biotin-Peroxidase Complex was added and unbound conjugates were washed away with wash buffer. TMB substrates were used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the IL-10 amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of IL-10 can be calculated!!

Background/Introduction: Interleukin-10 (IL-10 or IL10) also known as human cytokine synthesis inhibitory factor (CSIF), is an anti-inflammatory cytokine. In humans, IL-10 is encoded by the IL10 gene, which is located on chromosome 1 and comprises 5 exons. The IL-10 protein is a homodimer, each of its subunits is 178-amino-acid long. It is primarily produced by monocytes. IL-10 is a cytokine with pleiotropic effects in immunoregulation and inflammation. It could downregulates the expression of Th1 cytokines, MHC class II antigens, and co-stimulatory molecules on macrophages. It also enhances B cell survival, proliferation, and antibody production.

NCBI AND UNIPROT INFORMATION

NCBI GI #	6981092
NCBI GeneID	25670

NCBI Accession #	NP_037261.1
NCBI GenBank Nucleotide #	NM_013129.2
UniProt Accession #	P97604 ; O54847
Molecular Weight	18,804 Da
NCBI Official Full Name	interleukin-15
NCBI Official Synonym Full Names	interleukin 15
NCBI Official Symbol	IL15
NCBI Protein Information	interleukin-15; IL-15
UniProt Protein Name	Interleukin-15
UniProt Gene Name	IL15
UniProt Synonym Gene Names	IL-15
UniProt Entry Name	IL15_RAT

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/human-elisa-kits/il-15/58916>