

Human IL-2 ELISA Kit | IL2 elisa kit

Human IL-2 ELISA Kit

CATALOG # AAA261730	REACTIVITY Human	APPLICATIONS ELISA
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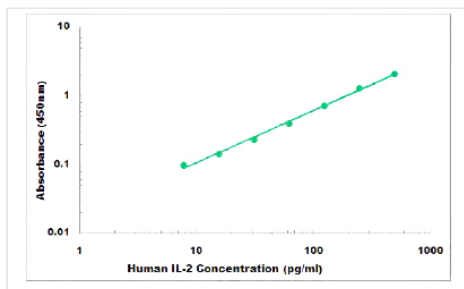
PRODUCT SYNONYMS

IL-2; Human IL-2 ELISA Kit; Interleukin-2; T-cell growth factor; TCGF; Aldesleukin; IL2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	The Human IL-2 ELISA Kit allows for the detection and quantification of endogenous levels of natural and/or recombinant Human IL-2 proteins within the range of 7.8 pg/ml - 500 pg/ml.
Sequence Length	153
Samples	Cell Culture Supernatants, Serum, Plasma, Tissue Homogenates.
Sensitivity	2 pg/ml.
Applicable Applications for IL2 elisa kit	ELISA (Sandwich ELISA)
Preparation and Storage	Shipped and store at 4 degree C for 6 months, store at -20 degree C for one year. Avoid freeze/thaw cycles.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for IL2 elisa kit	Principle of the Assay The Human IL-2 ELISA (Enzyme-Linked Immunosorbent Assay) kit is an in vitro enzyme-linked immunosorbent assay for the quantitative measurement of Human IL-2 in Cell Culture Supernatants, Serum, Plasma, Tissue Homogenates. This assay employs an antibody specific for Human IL-2 coated on a 96-well plate. Standards and samples are pipetted into the wells and IL-2 present in a sample is bound to the wells by the immobilized antibody. The wells are washed and biotinylated anti-Human IL-2 antibody is added. After washing away unbound biotinylated antibody, HRP-conjugated streptavidin is pipetted to the wells. The wells are again washed, a TMB substrate solution is added to the wells and color develops in proportion to the amount of IL-2 bound. The Stop Solution changes the color from blue to yellow, and the intensity of the color is measured at 450 nm. Background/Introduction: Interleukin-2 (IL2), formerly referred to as T-cell growth factor, is a powerfully immunoregulatory lymphokine that is produced by lectin- or antigen-activated T cells. It is produced not only by mature T lymphocytes on stimulation but also constitutively by certain T-cell lymphoma cell lines. The lymphokine interleukin-2 (IL-2) is responsible for autocrine cell cycle progression and regulation of immune responses. IL-2 expression in mature thymocytes and T cells has been found to be tightly controlled by monoallelic expression. IL-2 can act as a growth hormone for both B and T lymphocytes. The human gene for interleukin 2 (IL2) is assigned to chromosome 4. Human IL-2 is a 15.5 kDa glycoprotein, consisting of 153 amino acids in precursor form and 133 amino acids in mature form.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	45593462
NCBI GeneID	3558
UniProt Accession #	P60568; P01585
Molecular Weight	17,628 Da
NCBI Official Full Name	Interleukin-2
NCBI Official Synonym Full Names	interleukin 2
NCBI Official Symbol	IL2
NCBI Official Synonym Symbols	IL-2; TCGF; lymphokine
NCBI Protein Information	interleukin-2
UniProt Protein Name	Interleukin-2
UniProt Gene Name	IL2
UniProt Synonym Gene Names	IL-2; TCGF
UniProt Entry Name	IL2_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.