

Human IL-15 ELISA Kit | IL15 elisa kit

Human IL-15 ELISA Kit

CATALOG # AAA261734	REACTIVITY Human	APPLICATIONS ELISA
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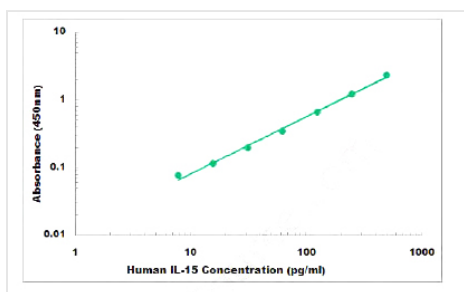
PRODUCT SYNONYMS

IL-15; Human IL-15 ELISA Kit; Interleukin-15; IL15 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	The Human IL-15 ELISA Kit allows for the detection and quantification of endogenous levels of natural and/or recombinant Human IL-15 proteins within the range of 7.8 pg/ml - 500 pg/ml.
Sequence Length	162
Samples	Cell Culture Supernatants, Serum, Plasma.
Sensitivity	4 pg/ml.
Applicable Applications for IL15 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 IL15 elisa kit	Principle of the Assay The Human IL-15 ELISA (Enzyme-Linked Immunosorbent Assay) kit is an in vitro enzyme-linked immunosorbent assay for the quantitative measurement of Human IL-15 in Cell Culture Supernatants, Serum, Plasma. This assay employs an antibody specific for Human IL-15 coated on a 96-well plate. Standards and samples are pipetted into the wells and IL-15 present in a sample is bound to the wells by the immobilized antibody. The wells are washed and biotinylated anti-Human IL-15 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-15 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 (IL)-15 is a cytokine with the ability to stimulate the proliferation activity of Th1 and/or Th2 lymphocytes. IL-15 is a novel cytokine whose effects on T-cell activation and proliferation are similar to those of interleukin-2 (IL-2), presumably because IL-15 utilizes the beta and gamma chains of the IL-2 receptor. IL-15 can play a role in the initiation and outcome of acute and chronic rejection. Anti-IL-15 therapy in combination with classic immunosuppression therapy might thus be beneficial in the prevention of acute, and especially chronic, allograft rejection. The human IL15 gene is mapped to human chromosome 4q31 by fluorescence in situ hybridization.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	729830
NCBI GeneID	3600
UniProt Accession #	P40933; O00440; O43512; Q495Z8; Q6FGX7; Q93058; Q9UBA3; D3DNZ2
Molecular Weight	14,912 Da
NCBI Official Full Name	Interleukin-15
NCBI Official Synonym Full Names	interleukin 15
NCBI Official Symbol	IL15
NCBI Official Synonym Symbols	IL-15
NCBI Protein Information	interleukin-15
UniProt Protein Name	Interleukin-15
UniProt Gene Name	IL15
UniProt Synonym Gene Names	IL-15
UniProt Entry Name	IL15_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.