

Human IL-21 ELISA Kit | IL21 elisa kit

Human IL-21 ELISA Kit

CATALOG # AAA261778	REACTIVITY Human	APPLICATIONS ELISA
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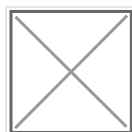
PRODUCT SYNONYMS

IL-21; Human IL-21 ELISA Kit; Interleukin-21; Za11; IL21 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	The Human IL-21 ELISA Kit allows for the detection and quantification of endogenous levels of natural and/or recombinant Human IL-21 proteins within the range of 31.3 pg/ml - 2000 pg/ml.
Sequence Length	155
Samples	Cell Culture Supernatants, Serum, Plasma.
Sensitivity	15 pg/ml.
Applicable Applications for IL21 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 IL21 elisa kit

Principle of the Assay||The Human IL-21 ELISA (Enzyme-Linked Immunosorbent Assay) kit is an in vitro enzyme-linked immunosorbent assay for the quantitative measurement of Human IL-21 in Cell Culture Supernatants, Serum, Plasma. This assay employs an antibody specific for Human IL-21 coated on a 96-well plate. Standards and samples are pipetted into the wells and IL-21 present in a sample is bound to the wells by the immobilized antibody. The wells are washed and biotinylated anti-Human IL-21 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-21 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-21 (IL-21) and its receptor play an important role in the regulation of the immune system. IL-21R, also called NILR (novel interleukin receptor), is a type I cytokine receptor with 4 conserved cysteine residues and an extracellular WSXWS motif. The biological effects of IL-21 include induction of differentiation of T-cells-stimulated B-cells into plasma cells and memory B-cells, stimulation (in conjunction) with IL-4 of IgG production, and induction of apoptotic effects in native B-cells and stimulated B-cells in the absence of T-cell signaling. Additionally, IL-21 promotes the anti-tumor activity of CD8+ T-cells and NK cells. IL-21 exerts its effect through binding to a specific type I cytokine receptor, IL-21R, which also contains the gamma chain found in other cytokine receptors including IL-2, IL-4, IL-7, IL-9 and IL-15. The IL21/IL21R interaction appears to play an important role in B and T cell proliferation after antigen stimulation and NK cell maturation.

NCBI AND UNIPROT INFORMATION

NCBI GI #	55976599
NCBI GeneID	59067
UniProt Accession #	Q9HBE4; A5J0L4
Molecular Weight	16,867 Da
NCBI Official Full Name	Interleukin-21
NCBI Official Synonym Full Names	interleukin 21
NCBI Official Symbol	IL21
NCBI Official Synonym Symbols	Za11; IL-21; CVID11
NCBI Protein Information	interleukin-21
UniProt Protein Name	Interleukin-21
UniProt Gene Name	IL21
UniProt Synonym Gene Names	IL-21
UniProt Entry Name	IL21_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.

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Online datasheet: <https://stage.aaabiotech.com/il21-human-elisa-kits/il-21/261778>