

Human IL-22 ELISA Kit | IL22 elisa kit

Human IL-22 ELISA Kit

CATALOG # AAA261793	REACTIVITY Human	APPLICATIONS ELISA
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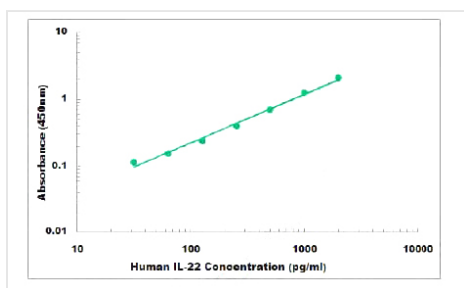
PRODUCT SYNONYMS

IL-22; Human IL-22 ELISA Kit; ILTIF; ZCYTO18; Interleukin-22; Cytokine Zcyto18; IL-10-related T-cell-derived-inducible factor; IL-TIF; IL22 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	The Human IL-22 ELISA Kit allows for the detection and quantification of endogenous levels of natural and/or recombinant Human IL-22 proteins within the range of 31.3 pg/ml - 2000 pg/ml.
Sequence Length	179
Samples	Cell Culture Supernatants, Serum, Plasma, Tissue Homogenates.
Sensitivity	15 pg/ml.
Applicable Applications for IL22 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 IL22 elisa kit	Principle of the Assay The Human IL-22 ELISA (Enzyme-Linked Immunosorbent Assay) kit is an in vitro enzyme-linked immunosorbent assay for the quantitative measurement of Human IL-22 in Cell Culture Supernatants, Serum, Plasma, Tissue Homogenates. This assay employs an antibody specific for Human IL-22 coated on a 96-well plate. Standards and samples are pipetted into the wells and IL-22 present in a sample is bound to the wells by the immobilized antibody. The wells are washed and biotinylated anti-Human IL-22 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-22 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-22 (IL-22), also known as ILTIF, is protein that in humans is encoded by the IL22 gene. IL-22 a member of a group of cytokines called the IL-10 family or IL-10 superfamily a class of potent mediators of cellular inflammatory responses. Using FISH, the IL22 gene is mapped to chromosome 12q15, close to the IFNG and the herpesvirus saimiri-induced AK155 genes. IL-22 can contribute to immune disease through the stimulation of inflammatory responses, S100s and defensins. IL-22 also promotes hepatocyte survival in the liver and epithelial cells in the lung and gut similar to IL-10. In some contexts, the pro-inflammatory versus tissue-protective functions of IL-22 are regulated by the often co-expressed cytokine IL-17A.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	17366814
NCBI GeneID	50616
UniProt Accession #	Q9GZX6
Molecular Weight	20,011 Da
NCBI Official Full Name	Interleukin-22
NCBI Official Synonym Full Names	interleukin 22
NCBI Official Symbol	IL22
NCBI Official Synonym Symbols	TIFa; IL-21; IL-22; ILTIF; IL-TIF; IL-D110; zcyto18; TIFIL-23
NCBI Protein Information	interleukin-22
UniProt Protein Name	Interleukin-22
UniProt Gene Name	IL22
UniProt Synonym Gene Names	ILTIF; ZCYTO18; IL-22; IL-TIF
UniProt Entry Name	IL22_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.