

Human IL-37 ELISA Kit | IL37 elisa kit

Human IL-37 ELISA Kit

CATALOG # AAA261732	REACTIVITY Human	APPLICATIONS ELISA
-------------------------------	----------------------------	------------------------------

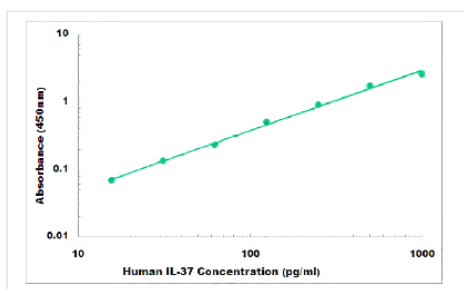
PRODUCT SYNONYMS

IL-37; Human IL-37 ELISA Kit; FIL1Z; IL1F7; IL1H4; IL1RP1; Interleukin-37; FIL1 zeta; IL-1X; Interleukin-1 family member 7; IL-1F7; Interleukin-1 homolog 4; IL-1H; IL-1H4; Interleukin-1 zeta; IL-1 zeta; Interleukin-1-related protein; IL-1RP1; Interleukin-23; IL37 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	The Human IL-37 ELISA Kit allows for the detection and quantification of endogenous levels of natural and/or recombinant Human IL-37 proteins within the range of 15.6 pg/ml - 1000 pg/ml.
Sequence Length	218
Samples	Cell Culture Supernatants, Serum, Plasma.
Sensitivity	10 pg/ml.
Applicable Applications for IL37 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 IL37 elisa kit	Principle of the Assay The Human IL-37 ELISA (Enzyme-Linked Immunosorbent Assay) kit is an in vitro enzyme-linked immunosorbent assay for the quantitative measurement of Human IL-37 in Cell Culture Supernatants, Serum, Plasma. This assay employs an antibody specific for Human IL-37 coated on a 96-well plate. Standards and samples are pipetted into the wells and IL-37 present in a sample is bound to the wells by the immobilized antibody. The wells are washed and biotinylated anti-Human IL-37 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-37 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 37 (IL-37) also named IL1F7, is a protein that in humans is encoded by the IL1F7 gene. The protein encoded by this gene is a member of the interleukin 1 cytokine family. And it is mapped to 2q13. In vitro expression analysis showed that IL-37 was a secretory protein. And IL-37 could play an important role in the link between innate and adaptive immunity and may be useful for tumor immunotherapy. Meanwhile, IL-37 inhibits the production of inflammatory cytokines in peripheral blood mononuclear cells of patients with systemic lupus erythematosus. In addition, IL-37 can emerged as a dual-function cytokine with intra- and extracellular properties for suppressing innate inflammation. Furthermore, IL-37 is a new anti-inflammatory cytokine that plays an important role in protecting against tissue injury during infections via limiting immune and inflammatory reactions.
--	---

NCBI AND UNIPROT INFORMATION

NCBI GI #	25008593
NCBI GeneID	27178
UniProt Accession #	Q9NZH6; Q56AP9; Q8TD04; Q8TD05; Q9HBF2; Q9HBF3; Q9UHA6; B5BU97
Molecular Weight	17,459 Da
NCBI Official Full Name	Interleukin-37
NCBI Official Synonym Full Names	interleukin 37
NCBI Official Symbol	IL37
NCBI Official Synonym Symbols	FIL1; FIL1Z; IL-1H; IL-37; IL1F7; IL1H4; IL-1F7; IL-1H4; IL1RP1; IL-1RP1; FIL1(ZETA)
NCBI Protein Information	interleukin-37
UniProt Protein Name	Interleukin-37
UniProt Gene Name	IL37
UniProt Synonym Gene Names	FIL1Z; IL1F7; IL1H4; IL1RP1; IL-1F7; IL-1H; IL-1H4; IL-1 zeta; IL-1RP1; IL-37
UniProt Entry Name	IL37_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.