

Human IL-37/IL1F7/F1L1Z ELISA Kit | IL37 elisa kit

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CATALOG #
AAA281359

REACTIVITY
Human

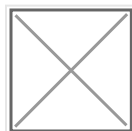
PRODUCT SYNONYMS

IL-37/IL1F7/F1L1Z; Human IL-37/IL1F7/F1L1Z ELISA Kit; IL37 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay recognizes both recombinant and natural human IL-37/IL1F7/F1L1Z. The factors listed below were prepared at 50ng/ml and assayed for cross-reactivity.
Sequence Length	218
Assay Type	Quantitative Sandwich
Detection Range	31.25-2000pg/mL
Sensitivity	< 15.6pg/mL
Intra-assay Precision	Intra-plate Precision The three samples with known concentrations were repeated 20 times on the same board to calculate the coefficient of variation (CV) for the concentrations. Intra-Assay: CV<10%
Inter-assay Precision	Inter-plate Precision The coefficient of variation (CV) of three known concentrations was calculated by 20 tests of two kits on each of the three samples. Inter-Assay: CV<15%
Preparation and Storage	Store at 4 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for IL37 elisa kit

Background: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of IL-37/IL1F7/F1L1Z in human serum, plasma, cell culture supernatants and other biological fluids.

Principle of the Assay: This assay employs the quantitative sandwich enzyme immunoassay technique. An antibody specific for human IL-37/IL1F7/F1L1Z has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any IL-37/IL1F7/F1L1Z present is bound by the immobilized antibody. After washing away any unbound substances, a biotin-conjugated detection antibody specific for human IL-37/IL1F7/F1L1Z is added to the wells. After incubating, an enzyme-linked streptavidin is added and binds to biotin. Following a wash to remove any unbound antibody-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of IL-37/IL1F7/F1L1Z bound in the initial step. The color development is stopped, and the absorbance is measured.

NCBI AND UNIPROT INFORMATION

NCBI GI #	20127524
NCBI GeneID	27178
NCBI Accession #	NP_055254.2
NCBI GenBank Nucleotide #	NM_014439.3
UniProt Accession #	Q9NZH6; Q56AP9; Q8TD04; Q8TD05; Q9HBF2; Q9HBF3; Q9UHA6; B5BU97
Molecular Weight	21,543 Da
NCBI Official Full Name	interleukin-37 isoform 1
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

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/il37-human-elisa-kits/il-37-il1f7-fil1z/281359>