

Human interleukin 1 family, member 7 (zeta) ELISA Kit | IL1F7 elisa kit

Human Interleukin 37, IL-37 ELISA Kit

CATALOG #
AAA15775

REACTIVITY
Human

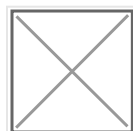
PRODUCT SYNONYMS

interleukin 1 family; member 7 (zeta); Human Interleukin 37; IL-37 ELISA Kit; Human Interleukin 37 (IL-37) ELISA Kit; FIL1; FIL1 (ZETA); FIL1Z; IL-1F7; IL-1H4; IL-1RP1; IL1H4; IL1RP1; IL-1F7b (IL-1H4; IL-1H; IL-1RP1) ; IL-1X protein; IL1F7 (canonical product IL-1F7b) ; interleukin 1 family member 7 ; ; IL1F7 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of human IL-37. No significant cross-reactivity or interference between human IL-37 and analogues was observed.
Sequence Length	218
Samples	Serum, plasma, cell culture supernates
Assay Type	Sandwich
Detection Range	31.25 pg/ml -2000 pg/ml.
Sensitivity	The minimum detectable dose of human IL-37 is typically less than 7.81 pg/ml. The sensitivity of this assay, or Lower Limit of Detection (LLD) was defined as the lowest protein concentration that could be differentiated from zero. It was determined the mean O.D value of 20 replicates of the zero standard added by their three standard deviations.
Intra-assay Precision	Intra-assay Precision (Precision within an assay): CV%<8%. Three samples of known concentration were tested twenty times on one plate to assess.
Inter-assay Precision	Inter-assay Precision (Precision between assays): CV%<10%. Three samples of known concentration were tested in twenty assays to assess.
Preparation and Storage	Unopened test kits should be stored at 2 to 8 degree C upon receipt. Please refer to pdf manual for further storage instructions.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for IL1F7 elisa kit

Principle of the Assay: This assay employs the quantitative sandwich enzyme immunoassay technique. Antibody specific for IL-37 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any IL-37 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for IL-37 is added to the wells. After washing, avidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of IL-37 bound in the initial step. The color development is stopped and the intensity of the color 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	24,126 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; FIL1 zeta; IL-1 zeta; IL-1X protein; interleukin-23; interleukin 1, zeta; interleukin-1 homolog 4; interleukin-1 superfamily z; interleukin 1 family member 7; interleukin-1-related protein; IL-1F7b (IL-1H4, IL-1H, IL-1RP1); IL1F7 (canonical product IL-1F7b)
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.

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Online datasheet: <https://stage.aaabiotech.com/il1f7-human-elisa-kits/interleukin-1-family-member-7-zeta/15775>