

Interleukin-37 ELISA Kit | IL37 elisa kit

Human IL-37/IL1F7 PicoKine ELISA Kit

CATALOG #
AAA46115

REACTIVITY
Human. There is no detectable cross-reactivity with other relevant proteins.

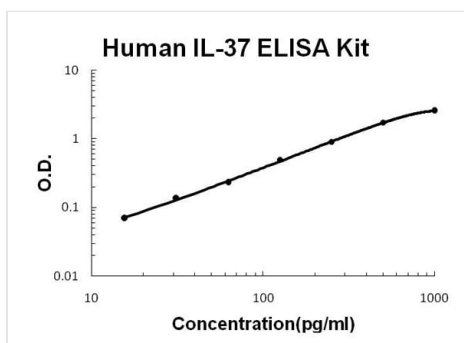
PRODUCT SYNONYMS

Interleukin-37; Human IL-37/IL1F7 PicoKine ELISA Kit; FIL1; FIL1 zeta; FIL1(ZETA); FIL1Z; IL 1 zeta; IL 1F7; IL 1F7b (IL 1H4; IL 1H; IL 1RP1); IL 1H4; IL 1RP1; IL 1X; IL 1X protein; IL-1 zeta; IL-1F7; IL-1H; IL-1H4; IL-1RP1; IL-1X; IL-37; IL1F7 (canonical product IL 1F7b); IL1F7; IL1F7_HUMAN; IL1H4; IL1RP1; Interleukin 1 family member 7; interleukin 1 family; member 7 (zeta); Interleukin 1 homolog 4; Interleukin 1 related protein; Interleukin 1 superfamily z; Interleukin 1 zeta; Interleukin 37; Interleukin-1 family member 7; Interleukin-1 homolog 4; Interleukin-1 zeta; Interleukin-1-related protein; Interleukin-23; interleukin 37; IL37 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human. There is no detectable cross-reactivity with other relevant proteins.
Sequence Length	218
Samples	Cell culture supernates, serum and plasma (heparin, EDTA)
Assay Type	Sandwich
Sensitivity	<10pg/ml
Immunogen	E.coli, V46-D218
Intra-Assay Precision	Sample 1: n=16; Mean(pg/ml): 178; Standard deviation: 7.3; CV(%): 4.1 Sample 2: n=16; Mean(pg/ml): 304; Standard deviation: 11.86; CV(%): 3.9 Sample 3: n=16; Mean(pg/ml): 569; Standard deviation: 30.2; CV(%): 5.3
Inter-Assay Precision	Sample 1: n=24; Mean(pg/ml): 216; Standard deviation: 12.3; CV(%): 5.7 Sample 2: n=24; Mean(pg/ml): 365; Standard deviation: 15.33; CV(%): 4.2 Sample 3: n=24; Mean(pg/ml): 610; Standard deviation: 39.04; CV(%): 6.4
Assay Range	15.6pg/ml-1000pg/ml
Preparation and Storage	Store at 4 degree C for 6 months, at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles (Shipped with wet ice.)

IMAGES



Standard Curve (Sample)

Human IL-37/IL1F7 PicoKine ELISA Kit standard curve

ADDITIONAL INFORMATION

Related Product Information for IL37 elisa kit	Description: Sandwich ELISA kit of Quantitative Detection for Human IL-37/IL1F7 Background: 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.
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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	17,459 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/il37-human-elisa-kits/interleukin-37/46115>