

Mouse Interleukin 37 (IL-37) ELISA Kit | IL-37 elisa kit

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CATALOG #
AAA190327

REACTIVITY
Mouse

PRODUCT SYNONYMS

Interleukin 37 (IL-37); Mouse Interleukin 37 (IL-37) ELISA Kit; IL-37 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of Mouse IL-37. No significant cross-reactivity or interference between Mouse IL-37 and analogues was observed.
Sequence Length	218
Assay Type	Quantitative Sandwich
Samples	Serum, plasma and other biological fluids
Detection Range	3.12 pg/mL - 200 pg/mL
Sensitivity	1.56 pg/mL (mean of 6 independent assays)
Intra-assay Precision	Intra-assay Precision (Precision within an assay) Three samples of known concentration were tested twenty times on one plate to assess intra-assay precision. Intra-Assay: CV<8%
Inter-assay Precision	Inter-assay Precision (Precision between assays) Three samples of known concentration were tested in forty separate assays to assess inter-assay precision. CV (%) = SD/meanX100. Inter-Assay: CV<12%

ADDITIONAL INFORMATION

Related Product Information for IL-37 elisa kit

Principle of the Assay: This assay employs a two-site sandwich ELISA to quantitate IL-37 in Mouse serum, plasma. An 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, Streptavidin 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.

Intended Uses: For the quantitative detection of Mouse Interleukin 37 (IL-37) concentration in serum, plasma and other biological fluids.

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
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://www.aaabiotech.com/mouse-elisa-kits/interleukin-37-il-37/190327>