

Human IL-18 ELISA Kit | IL-18 elisa kit

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CATALOG #
AAA281384

REACTIVITY
Human

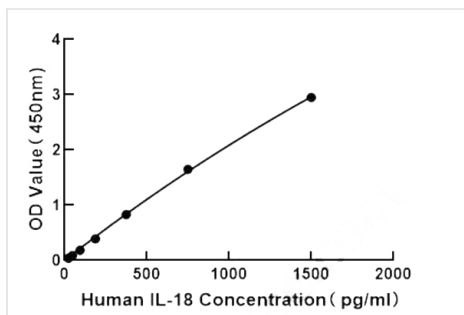
PRODUCT SYNONYMS

IL-18; Human IL-18 ELISA Kit; IL-18 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay recognizes both recombinant and natural human IL-18. The factors listed below were prepared at 50ng/ml and assayed for cross-reactivity. No significant cross-reactivity was observed with the following: IL-1, 2, 3, 4, 5, 8, 10, IFN, TNF, sTNF-RII. Note: Limited by current skills and knowledge, it is impossible for us to complete the cross- reactivity detection between IL-18 and all the analogues, therefore, cross reaction may still exist.
Sequence Length	189
Assay Type	Quantitative Sandwich
Sensitivity	< 12pg/mL
Intra-assay Precision	Intra-plate Precision 3 samples with low, middle and high level IL-18 were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-plate Precision 3 samples with low, middle and high level IL-18 were tested on 3 different plates, 20 replicates in each plate. Inter-Assay: CV<15%
Preparation and Storage	Store at 4 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for IL-18 elisa kit	Background: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of IL-18 in human serum, plasma, cell culture supernatants, cell lysates, tissue homogenates and other biological fluids. Principle of the Assay: This assay employs the quantitative sandwich enzyme immunoassay technique. An antibody specific for human IL-18 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any IL-18 present is bound by the immobilized antibody. After washing away any unbound substances, and then a detection antibody specific for IL-18 is added to the wells and binds to the combination of capture antibody IL-18 in sample. Following a wash to remove any unbound combination, and enzyme conjugate is added to the wells. Following incubation and wash steps, a substrate solution is added to the wells and color develops in proportion to the amount of IL-18 bound in the initial step. The color development is stopped and the absorbance is measured.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	342349321
NCBI GeneID	3606
NCBI Accession #	NP_001230140.1
NCBI GenBank Nucleotide #	NM_001243211.1
UniProt Accession #	Q14116; O75599; Q6FGY3; Q6WWJ7
Molecular Weight	21,896 Da
NCBI Official Full Name	interleukin-18 isoform 2
NCBI Official Synonym Full Names	interleukin 18
NCBI Official Symbol	IL18
NCBI Official Synonym Symbols	IGIF; IL-18; IL-1g; IL1F4
NCBI Protein Information	interleukin-18
UniProt Protein Name	Interleukin-18
UniProt Gene Name	IL18
UniProt Synonym Gene Names	IL-183 PublicationsManual assertion based on opinion iniRef.13; IFN-gamma-inducing factor2 PublicationsManual assertion based on opinion iniRef.13; IL-1 gamma

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/human-elisa-kits/il-18/281384>