

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

Human IL-18 (Interleukin 18) ELISA Kit

CATALOG #
AAA164982

REACTIVITY
Human

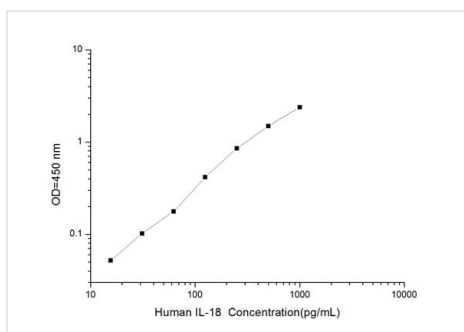
PRODUCT SYNONYMS

IL-18; Human IL-18 (Interleukin 18) ELISA Kit; IL-18 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This kit recognizes Human IL-18 in samples. No significant cross-reactivity or interference between Human IL-18 and analogues was observed.
Sequence Length	193
Assay Type	Quantitative Sandwich
Samples	Serum, plasma and other biological fluids
Detection Range	15.63-1000pg/mL
Sensitivity	9.38pg/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, mid range and high level Human IL-18 were tested 20 times on one plate, respectively.
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, mid range and high level Human IL-18 were tested on 3 different plates, 20 replicates in each plate.
Preparation and Storage	Store at 4 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for IL-18 elisa kit	Principle of the Assay: This ELISA kit uses the Sandwich-ELISA principle. The micro ELISA plate provided in this kit has been pre-coated with an antibody specific to Human IL-18. Standards or samples are added to the micro ELISA plate wells and combined with the specific antibody. Then a biotinylated detection antibody specific for Human IL-18 and Avidin-Horseradish Peroxidase (HRP) conjugate are added successively to each micro plate well and incubated. Free components are washed away. The substrate solution is added to each well. Only those wells that contain Human IL-18, biotinylated detection antibody and Avidin-HRP conjugate will appear blue in color. The enzyme-substrate reaction is terminated by the addition of stop solution and the color turns yellow. The optical density (OD) is measured spectrophotometrically at a wavelength of 450 nm ± 2 nm. The OD value is proportional to the concentration of Human IL-18. You can calculate the concentration of Human IL-18 in the samples by comparing the OD of the samples to the standard curve. Intended Uses: This ELISA kit applies to the in vitro quantitative determination of Human IL-18 concentrations in serum, plasma and other biological fluids.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	27806575
NCBI GeneID	281249
NCBI Accession #	NP_776516.1
NCBI GenBank Nucleotide #	NM_174091.2
UniProt Accession #	Q9TU73; Q3SZF6; A9QWR6
Molecular Weight	22,347 Da
NCBI Official Full Name	interleukin-18
NCBI Official Synonym Full Names	interleukin 18<
NCBI Official Symbol	IL18
NCBI Protein Information	interleukin-18; IFN-gamma-inducing factor; IL-1 gamma; IL-18; interferon gamma-inducing factor; interferon-gamma-inducing factor; interleukin 18 (interferon-gamma-inducing factor); interleukin-1 gamma
UniProt Protein Name	Interleukin-18
UniProt Gene Name	IL18
UniProt Synonym Gene Names	IGIF; IL-18; IFN-gamma-inducing factor; IL-1 gamma
UniProt Entry Name	IL18_BOVIN

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.