

Rat Interleukin 18 (IL18) ELISA Kit | IL18 elisa kit

Rat Interleukin 18 (IL18) Mini Samples ELISA Kit

CATALOG # AAA188645	REACTIVITY Rat	APPLICATIONS ELISA
-------------------------------	--------------------------	------------------------------

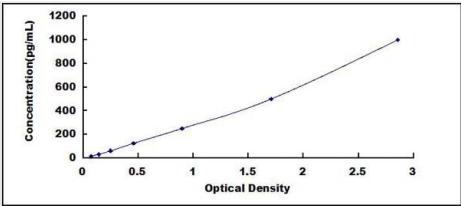
PRODUCT SYNONYMS

Interleukin 18 (IL18); Rat Interleukin 18 (IL18) Mini Samples ELISA Kit; Interleukin 18; IGIF; IL-1g; IL1F4; IL1-F4; Interferon-Gamma-Inducing Factor; Interleukin-1 Family Member 4; Ibctadekin; Interleukin-1 Gamma; IL18 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of Mini Samples Interleukin 18 (IL18). No significant cross-reactivity or interference between Mini Samples Interleukin 18 (IL18) and analogues was observed.
Sequence Length	194
Assay Type	Double-antibody Sandwich
Samples	Serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids
Detection Range	15.6-1,000pg/mL
Sensitivity	The minimum detectable dose of this kit is typically less than 6.3pg/mL
Applicable Applications for IL18 elisa kit	ELISA
Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level Mini Samples Interleukin 18 (IL18) were tested 20 times on one plate, respectively. Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level Mini Samples Interleukin 18 (IL18) were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100 Intra-Assay: CV<10% Inter-Assay: CV<12%
Test Principle	The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Mini Samples Interleukin 18 (IL18). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Mini Samples Interleukin 18 (IL18). Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain Mini Samples Interleukin 18 (IL18), biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm +/- 10nm. The concentration of Mini Samples Interleukin 18 (IL18) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

NCBI AND UNIPROT INFORMATION

NCBI GI #	3219808
NCBI GeneID	29197
UniProt Accession #	P97636
NCBI Official Full Name	Interleukin-18
NCBI Official Synonym Full Names	interleukin 18
NCBI Official Symbol	IL18
NCBI Official Synonym Symbols	IL-18
NCBI Protein Information	interleukin-18
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_RAT

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://www.aaabiotech.com/rat-elisa-kits/interleukin-18-il18/188645>