

Rabbit Interleukin 1 Alpha (IL1a) ELISA Kit | IL1a elisa kit

Rabbit Interleukin 1 Alpha (IL1a) Mini Samples ELISA Kit

CATALOG #
AAA149003

REACTIVITY
Rabbit

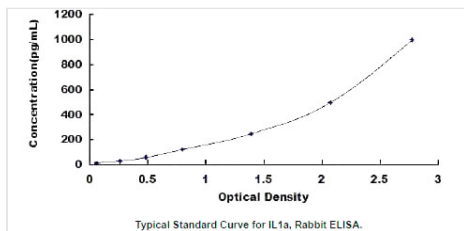
PRODUCT SYNONYMS

Interleukin 1 Alpha (IL1a); Rabbit Interleukin 1 Alpha (IL1a) Mini Samples ELISA Kit; IL1-A; IL-1alpha; IL1F1; Preinterleukin 1 Alpha; Hematopoietin-1; Pro-Interleukin-1-Alpha; Interleukin-1 Family Member 1; IL1a elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rabbit
Specificity	This assay has high sensitivity and excellent specificity for detection of IL18. No significant cross-reactivity or interference between IL18 and analogues was observed.
Sequence Length	267
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	5.3pg/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level IL18 were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level IL18 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
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)

ADDITIONAL INFORMATION

Related Product Information for IL1a elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of IL18 in rat serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids. Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to IL18. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to 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 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 IL18 in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Product Categories/Family for IL1a elisa kit	Cytokine; Apoptosis

NCBI AND UNIPROT INFORMATION

NCBI GI #	156119336
NCBI GeneID	100009250
NCBI Accession #	NP_001095154.1
NCBI GenBank Nucleotide #	NM_001101684.1
UniProt Accession #	P04822
Molecular Weight	30,375 Da
NCBI Official Full Name	interleukin-1 alpha
NCBI Official Symbol	IL1A
NCBI Protein Information	interleukin-1 alpha
UniProt Protein Name	Interleukin-1 alpha
UniProt Gene Name	IL1A
UniProt Synonym Gene Names	IL-1 alpha

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/rabbit-elisa-kits/interleukin-1-alpha-il1a/149003>