

Rabbit Interleukin 1 Beta ELISA Kit | IL-1beta elisa kit

Rabbit Interleukin 1 Beta ELISA Kit

CATALOG #
AAA100694

REACTIVITY
Rabbit

PRODUCT SYNONYMS

Interleukin 1 Beta; Rabbit Interleukin 1 Beta ELISA Kit; IL-1beta elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rabbit
Specificity	This assay has high sensitivity and excellent specificity for detection of IL-1beta. No significant cross-reactivity or interference between IL-1beta and analogues was observed.
Sequence Length	283
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	15.625-1000pg/ml
Sensitivity	9.375pg/ml
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level IL-1 beta were tested 20 times on one plate, respectively. Intra-Assay: CV<8%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level IL-1 beta were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<10%
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES

Typical Data & Standard Curve

Results of a typical standard run of a IL-1 β ELISA Kit are shown below. This standard curve was generated at our lab for demonstration purpose only. Each user should obtain their own standard curve as per experiment. (N/A=not applicable)

X	pg/ml	0	15.625	31.25	62.5	125	250	500	1000
Y	OD450	0.011	0.036	0.065	0.113	0.224	0.41	1.007	2.069

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for IL-1beta elisa kit

Principle of the Assay: This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti- IL-1beta antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-IL-1beta antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and wash with wash buffer. HRP-Streptavidin was added and unbound conjugates were washed away with wash buffer. TMB substrates were used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the IL-1beta amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of IL-1beta can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #	148226412
NCBI GeneID	373606
NCBI Accession #	NP_001079074.1
NCBI GenBank Nucleotide #	NM_001085605.1
NCBI Official Full Name	interleukin 1 beta
NCBI Official Synonym Full Names	interleukin 1 beta
NCBI Official Symbol	il1b
NCBI Official Synonym Symbols	IL-1; IL-1B; il1b-A
NCBI Protein Information	interleukin 1 beta

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://stage.aaabiotech.com/il-1beta-rabbit-elisa-kits/interleukin-1-beta/100694>