

Human IL-1 beta ELISA Kit | IL-1beta elisa kit

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CATALOG #
AAA281291

REACTIVITY
Human

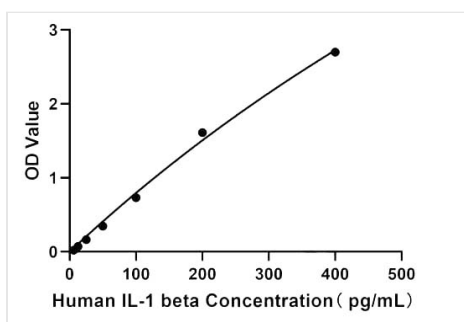
PRODUCT SYNONYMS

IL-1 beta; Human IL-1 beta ELISA Kit; IL-1beta elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay recognizes both recombinant and natural human IL-1 beta. The factors listed below were prepared at 50ng/ml and assayed for cross-reactivity. No significant cross-reactivity was observed with the following. Limited by current skills and knowledge, it is impossible for us to complete the cross- reactivity detection between IL-1 beta and all the analogues, therefore, cross reaction may still exist.
Sequence Length	269
Assay Type	Quantitative Sandwich
Detection Range	6.25-400pg/ml
Sensitivity	< 3.9pg/mL
Intra-assay Precision	Intra-plate Precision 3 samples with low, middle and high level IL-1 beta 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-1 beta 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-1beta elisa kit	Background: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of IL-1 beta 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-1 beta has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any IL-1 beta present is bound by the immobilized antibody. After washing away any unbound substances, and then a detection antibody specific for IL-1 beta is added to the wells and binds to the combination of capture antibody IL-1 beta 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-1 beta 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 #	10835145
NCBI GeneID	3553
NCBI Accession #	NP_000567.1
NCBI GenBank Nucleotide #	NM_000576.2
UniProt Accession #	P01584; Q53X59; Q53XX2; Q7M4S7; Q7RU01; Q96HE5; Q9UCT6
Molecular Weight	30,748 Da
NCBI Official Full Name	interleukin-1 beta proprotein
NCBI Official Synonym Full Names	interleukin 1 beta
NCBI Official Symbol	IL1B
NCBI Official Synonym Symbols	IL-1; IL1F2; IL1-BETA
NCBI Protein Information	interleukin-1 beta
UniProt Protein Name	Interleukin-1 beta
UniProt Gene Name	IL1B
UniProt Synonym Gene Names	IL-1 beta1 PublicationManual assertion based on opinion iniRef.14

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/il-1beta-human-elisa-kits/il-1-beta/281291>