

Human Interleukin 1 Beta (IL1b) ELISA Kit | IL1b elisa kit

Human Interleukin 1 Beta (IL1b) Mini Samples ELISA Kit

CATALOG # AAA188702	REACTIVITY Human	APPLICATIONS ELISA
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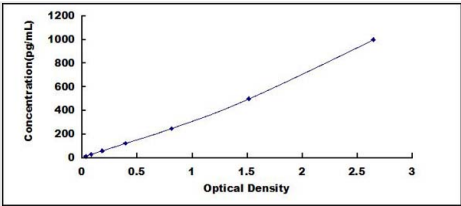
PRODUCT SYNONYMS

Interleukin 1 Beta (IL1b); Human Interleukin 1 Beta (IL1b) Mini Samples ELISA Kit; Interleukin 1 Beta; IL1-B; IL1-Beta; IL1F2; IL-1beta; Interleukin-1 Family Member 2; Catabolin; IL1b elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Mini Samples Interleukin 1 Beta (IL1b). No significant cross-reactivity or interference between Mini Samples Interleukin 1 Beta (IL1b) and analogues was observed.
Sequence Length	269
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 5.5pg/mL
Applicable Applications for IL1b elisa kit	ELISA
Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level Mini Samples Interleukin 1 Beta (IL1b) 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 1 Beta (IL1b) 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 1 Beta (IL1b). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Mini Samples Interleukin 1 Beta (IL1b). 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 1 Beta (IL1b), 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 1 Beta (IL1b) 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 #	10835145
NCBI GeneID	3553
NCBI Accession #	NP_000567.1
NCBI GenBank Nucleotide #	NP_000567.1
UniProt Accession #	P01584
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; IL1beta; IL1-BETA
NCBI Protein Information	interleukin-1 beta
UniProt Protein Name	Interleukin-1 beta
UniProt Gene Name	IL1B
UniProt Synonym Gene Names	IL1F2; IL-1 beta
UniProt Entry Name	IL1B_HUMAN

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/human-elisa-kits/interleukin-1-beta-il1b/188702>