

Rat Interleukin 1 Beta (IL1b) CLIA Kit | IL1b clia kit

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CATALOG # AAA188949	REACTIVITY Rat	APPLICATIONS CLIA (Chemiluminescence Immunoassay)
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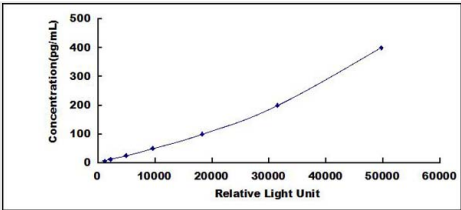
PRODUCT SYNONYMS

Interleukin 1 Beta (IL1b); Rat Interleukin 1 Beta (IL1b) CLIA Kit; Interleukin 1 Beta; IL1-B; IL1-Beta; IL1F2; IL-1beta; Interleukin-1 Family Member 2; Catabolin; IL1b clia kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of Interleukin 1 Beta (IL1b). No significant cross-reactivity or interference between Interleukin 1 Beta (IL1b) and analogues was observed.
Sequence Length	268
Assay Type	Double-antibody Sandwich
Samples	Serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids
Detection Range	6.25-400pg/mL
Sensitivity	The minimum detectable dose of this kit is typically less than 2.35pg/mL
Applicable Applications for IL1b clia kit	CLIA (Chemiluminescence Immunoassay)
Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level 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 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 microplate provided in this kit has been pre-coated with an antibody specific to Interleukin 1 Beta (IL1b). Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to Interleukin 1 Beta (IL1b). Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. Then the mixture of substrate A and B is added to generate glow light emission kinetics. Upon plate development, the intensity of the emitted light is proportional to the Interleukin 1 Beta (IL1b) level in the sample or standard.
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 #	2497335
NCBI GeneID	24494
UniProt Accession #	Q63264
NCBI Official Full Name	Interleukin-1 beta
NCBI Official Synonym Full Names	interleukin 1 beta
NCBI Official Symbol	Il1b
NCBI Official Synonym Symbols	IL-1F2
NCBI Protein Information	interleukin-1 beta
UniProt Protein Name	Interleukin-1 beta
UniProt Gene Name	Il1b
UniProt Synonym Gene Names	IL-1 beta
UniProt Entry Name	IL1B_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.

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Online datasheet: <https://stage.aaabiotech.com/rat-clia-kits/interleukin-1-beta-il1b/188949>