

Rat interleukin 1, beta ELISA Kit | IL1B elisa kit

Rat Interleukin 1beta, IL-1beta ELISA Kit

CATALOG #
AAA80124

REACTIVITY
Rat

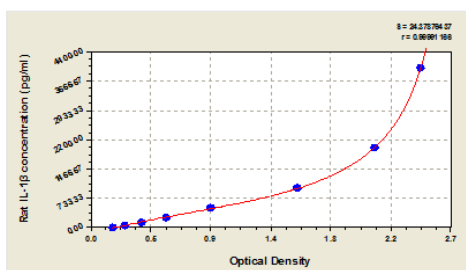
PRODUCT SYNONYMS

interleukin 1; beta; Rat Interleukin 1beta; IL-1beta ELISA Kit; IL-1; IL1-BETA; IL1F2; catabolin; preinterleukin 1 beta; pro-interleukin-1-beta; IL1B elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of rat IL-1beta. No significant cross-reactivity or interference between rat IL-1beta and analogues was observed.
Sequence Length	268
Samples	Serum, plasma, cell culture supernates, tissue homogenates.
Assay Type	Sandwich (Quantitative)
Detection Range	62.5 pg/ml-4000 pg/ml.
Sensitivity	15.6 pg/ml.
Intra-assay Precision	Intra-assay Precision (Precision within an assay): CV%<8%. Three samples of known concentration were tested twenty times on one plate to assess.
Inter-assay Precision	Inter-assay Precision (Precision between assays): CV%<10%. Three samples of known concentration were tested in twenty assays to assess.
Preparation and Storage	Unopened test kits should be stored at 2 to 8 degree C upon receipt. Please refer to pdf manual for further storage instructions.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for IL1B elisa kit

Principle of the Assay: This assay employs the quantitative sandwich enzyme immunoassay technique. Antibody specific for IL-1beta has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any IL-1beta present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for IL-1beta is added to the wells. After washing, avidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of IL-1beta bound in the initial step. The color development is stopped and the intensity of the color is measured.

NCBI AND UNIPROT INFORMATION

NCBI GI #	126723555
NCBI GeneID	100008990
NCBI Accession #	NP_001075670.1
NCBI GenBank Nucleotide #	NM_001082201.1
UniProt Accession #	P14628
Molecular Weight	30,665 Da
NCBI Official Full Name	interleukin-1 beta
NCBI Official Symbol	IL1B
NCBI Official Synonym Symbols	IL1-BETA
NCBI Protein Information	interleukin-1 beta; IL-1 beta; interleukin 1 beta; lymphocyte proliferation-potentiating factor
UniProt Protein Name	Interleukin-1 beta
UniProt Gene Name	IL1B
UniProt Synonym Gene Names	IL-1 beta
UniProt Entry Name	IL1B_RABIT

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/il1b-rat-elisa-kits/interleukin-1-beta/80124>