

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

Rat IL-1beta ELISA Kit

CATALOG # AAA332582	REACTIVITY Rat	APPLICATIONS ELISA
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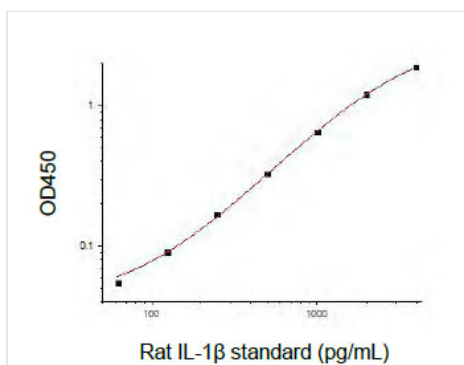
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	Rat IL-1beta ELISA Kit 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.
Assay Type	Sandwich
Samples	Serum, Plasma, Cell culture supernatants
Detection Range	62.5 pg/mL - 4,000 pg/mL
Sensitivity	32 pg/mL
Applicable Applications for IL-1beta elisa kit	ELISA
Intra-assay Precision	Intra-assay Precision: The CV (%)?10%.
Inter-assay Precision	Inter-assay Precision :The CV (%)?12%
Preparation and Storage	The unopened kit should be stored at 2 - 8 degree C. After opening, please store refer to protocols.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for IL-1beta elisa kit	Principle of the Assay: Interleukin-1 (IL-1) is one of the first cytokines ever described. Its initial discovery was as a factor that could induce fever, control lymphocytes, increase the number of bone marrow cells and cause degeneration of bone joints. At this time, IL-1 was known under several other names including endogenous pyrogen, lymphocyte activating factor, haemopoetin-1 and mononuclear cell factor, amongst others. Rat IL-1beta ELISA Kit employs a double antibody sandwich method to quantitate Rat IL-1beta in samples. An antibody specific for Rat IL-1beta has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any Rat IL-1beta present is bound by the immobilized antibody. After removing any unbound substances, an abiotin-conjugated antibody specific for Rat IL-1beta is added to the wells. After washing, proprietary Streptavidin-HRP conjugates are added to the wells. Following a wash to remove any unbound streptavidin-enzyme reagent, adding HRP Substrate (TMB), TMB turns blue under the catalysis of HRP, and turns yellow after adding stop solution. Measure the OD value with a microplate reader at 450 nm wavelength. The IL-1beta concentration is proportional to the OD450 nm value.
Product Categories/Family for IL-1beta elisa kit	ELISA Assay Kit; Protein

NCBI AND UNIPROT INFORMATION

NCBI GI #	81909490
NCBI GeneID	24494
UniProt Accession #	Q5BKB0; Q63264
Molecular Weight	30,659 Da
NCBI Official Full Name	Interleukin 1 beta
NCBI Official Synonym Full Names	interleukin 1 beta
NCBI Official Symbol	IL1b
NCBI Protein Information	interleukin-1 beta; IL-1 beta
UniProt Protein Name	Interleukin 1 beta
UniProt Gene Name	IL1b
UniProt Entry Name	Q5BKB0_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-elisa-kits/il-1beta/332582>