

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

Rat Interleukin 1beta ELISA Kit

CATALOG #
AAA87277

REACTIVITY
Rat

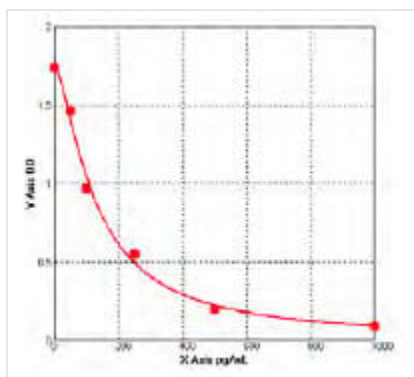
PRODUCT SYNONYMS

Interleukin 1beta; Rat Interleukin 1beta ELISA Kit; Rat Interleukin 1b ELISA Kit; IL-1beta elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Samples	Serum, Plasma, Cell Culture Supernatants, Body Fluid And Tissue Homogenate
Assay Type	Quantitative Competitive
Sensitivity	1.0 pg/mL.
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for IL-1beta elisa kit

Intended Uses: This IL-1beta ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Porcine IL-1beta. This ELISA kit for research use only!

Principle of the Assay: IL-1beta ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-IL-1beta antibody and an IL-1beta-HRP conjugate. The assay sample and buffer are incubated together with IL-1beta-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the IL-1beta concentration since IL-1beta from samples and IL-1beta-HRP conjugate compete for the anti-IL-1beta antibody binding site. Since the number of sites is limited, as more sites are occupied by IL-1beta from the sample, fewer sites are left to bind IL-1beta-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The IL-1beta concentration in each sample is interpolated from this standard curve.

Product Categories/Family for IL-1beta elisa kit	Immunology
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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
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; IL-1 beta; catabolin; preinterleukin 1 beta; pro-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://stage.aaabiotech.com/il-1beta-rat-elisa-kits/interleukin-1beta/87277>