

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

Mouse IL-1beta ELISA Kit

CATALOG # AAA332568	REACTIVITY Mouse	APPLICATIONS ELISA
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PRODUCT SYNONYMS

IL-1beta; Mouse 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	Mouse
Specificity	Mouse IL-1beta ELISA Kit has high sensitivity and excellent specificity for detection of Mouse IL-1beta. No significant cross-reactivity or interference between Mouse IL-1beta and analogues was observed.
Assay Type	Sandwich
Samples	Serum, Plasma, Cell culture supernatants
Detection Range	15.63 pg/mL - 1,000 pg/mL
Sensitivity	8 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: IL-1beta is a potent pro-inflammatory cytokine. Initially discovered as the major endogenous pyrogen, induces prostaglandin synthesis, neutrophil influx and activation, T-cell activation and cytokine production, B-cell activation and antibody production, and fibroblast proliferation and collagen production. Mouse IL-1beta ELISA Kit employs a double antibody sandwich method to quantitate Mouse IL-1beta in samples. An antibody specific for Mouse IL-1beta has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any Mouse IL-1beta present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for Mouse IL-1beta is added to the wells. After washing, proprietary Streptavidin-HRP conjugates is 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 #	6680415
NCBI GeneID	16176
NCBI Accession #	NP_032387.1
NCBI GenBank Nucleotide #	NM_008361.3
UniProt Accession #	P10749; Q2M4J6
Molecular Weight	30,931 Da
NCBI Official Full Name	interleukin-1 beta
NCBI Official Synonym Full Names	interleukin 1 beta
NCBI Official Symbol	IL1b
NCBI Official Synonym Symbols	IL-1b; IL-1beta
NCBI Protein Information	interleukin-1 beta; IL-1 beta
UniProt Protein Name	Interleukin-1 beta
UniProt Gene Name	IL1b
UniProt Synonym Gene Names	IL-1 beta
UniProt Entry Name	IL1B_MOUSE

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/mouse-elisa-kits/il-1beta/332568>