

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

Human Interleukin 1beta (IL-1beta) ELISA Kit

CATALOG #
AAA55507

REACTIVITY
Human

PRODUCT SYNONYMS

Interleukin 1beta; Human Interleukin 1beta (IL-1beta) ELISA Kit; IL-1beta elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Human IL1B. No significant cross-reactivity or interference between Human IL1B and analogues was observed.
Sequence Length	267
Assay Type	Quantitative Sandwich
Samples	Serum, plasma, urine, saliva and other biological fluids
Detection Range	125 pg/mL - 8000 pg/mL
Sensitivity	62.5 pg/mL (mean of 6 independent assays)
Intra-assay Precision	Intra-assay Precision (Precision within an assay) Three samples of known concentration were tested twenty times on one plate to assess intra-assay precision. Intra-Assay: CV<8%
Inter-assay Precision	Inter-assay Precision (Precision between assays) Three samples of known concentration were tested in forty separate assays to assess inter-assay precision. CV (%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	Store at 2-8 degree C.

ADDITIONAL INFORMATION

Related Product Information for IL-1beta elisa kit

Principle of the Assay: This assay employs a two-site sandwich ELISA to quantitate IL1B in Human serum, plasma, urine, saliva. An antibody specific for IL1B has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any IL1B present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for IL1B is added to the wells. After washing, Streptavidin 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 IL1B bound in the initial step. The color development is stopped and the intensity of the color is measured.

Intended Uses: For the quantitative detection of Human Interleukin-1 beta (IL1B) concentration in serum, plasma, urine, saliva and other biological fluids.

NCBI AND UNIPROT INFORMATION

NCBI GI #	10835145
NCBI GeneID	3553
NCBI Accession #	NP_000567.1
NCBI GenBank Nucleotide #	NM_000576.2
UniProt Accession #	P01584; Q53X59; Q53XX2; Q7M4S7; Q7RU01; Q96HE5; Q9UCT6

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
UniProt Protein Name	Interleukin-1 beta
UniProt Gene Name	IL1B
UniProt Synonym Gene Names	IL1F2; IL-1 beta

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/il-1beta-human-elisa-kits/interleukin-1beta/55507>