

Rat Interleukin 1 ELISA Kit | IL-1 elisa kit

Rat Interleukin 1 (IL-1) ELISA Kit

CATALOG # AAA55819	REACTIVITY Rat
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PRODUCT SYNONYMS

Interleukin 1; Rat Interleukin 1 (IL-1) ELISA Kit; IL-1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of Rat IL-1. No significant cross-reactivity or interference between Rat IL-1 and analogues was observed.
Sequence Length	152
Samples	Serum, plasma and other biological fluids
Assay Type	Quantitative Sandwich
Detection Range	15.6 pg/mL - 1000 pg/mL
Sensitivity	5.2 pg/mL
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-1 elisa kit	Intended Uses: For the quantitative detection of Rat Interleukin 1 (IL-1) concentration in serum, plasma and other biological fluids. Principle of the Assay: This assay employs a two-site sandwich ELISA to quantitate IL-1 in Rat serum, plasma. An antibody specific for IL-1 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any IL-1 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for IL-1 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 IL-1 bound in the initial step. The color development is stopped and the intensity of the color is measured.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	27894307
NCBI GeneID	84639
NCBI Accession #	NP_775184.1
NCBI GenBank Nucleotide #	NM_173161.2
Molecular Weight	16,701 Da

NCBI Official Full Name	interleukin-1 family member 10
NCBI Official Synonym Full Names	interleukin 1 family member 10 (theta)
NCBI Official Symbol	IL1F10
NCBI Official Synonym Symbols	IL-38; FKSG75; IL1HY2; IL-1HY2; IL1-theta; FIL1-theta
NCBI Protein Information	interleukin-1 family member 10
UniProt Protein Name	Interleukin-1 family member 10
UniProt Gene Name	IL1F10
UniProt Synonym Gene Names	FIL1T; IL1HY2; IL38; IL-1F10; FIL1 theta; IL-1HY2; IL-1 theta; IL-38
UniProt Entry Name	IL1FA_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://www.aaabiotech.com/il-1-rat-elisa-kits/interleukin-1/55819>