

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

Rat IL-1ra (Interleukin 1 Receptor Antagonist) ELISA Kit

CATALOG #
AAA21578

REACTIVITY
Rat

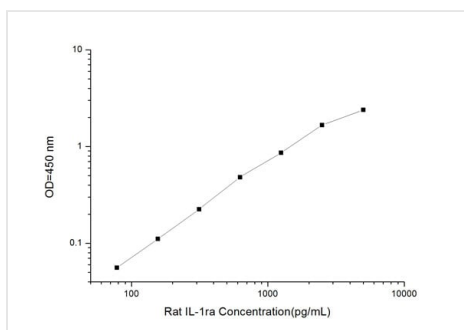
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This kit recognizes Rat IL-1ra/IL-1F3 in samples. No significant cross-reactivity or interference between Rat IL-1ra/IL-1F3 and analogues was observed.
Sequence Length	159
Assay Type	Quantitative Sandwich
Samples	Serum, plasma and other biological fluids
Detection Range	78.13-5000pg/mL
Sensitivity	46.88pg/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, mid range and high level Rat IL-1ra/IL-1F3 were tested 20 times on one plate, respectively.
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, mid range and high level Rat IL-1ra/IL-1F3 were tested on 3 different plates, 20 replicates in each plate.
Preparation and Storage	Store at 4 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for IL-1ra elisa kit	Principle of the Assay: This ELISA kit uses the Sandwich-ELISA principle. The micro ELISA plate provided in this kit has been pre-coated with an antibody specific to Rat IL-1ra/IL-1F3. Standards or samples are added to the micro ELISA plate wells and combined with the specific antibody. Then a biotinylated detection antibody specific for Rat IL-1ra/IL-1F3 and Avidin-Horseradish Peroxidase (HRP) conjugate are added successively to each micro plate well and incubated. Free components are washed away. The substrate solution is added to each well. Only those wells that contain Rat IL-1ra/IL-1F3, biotinylated detection antibody and Avidin-HRP conjugate will appear blue in color. The enzyme-substrate reaction is terminated by the addition of stop solution and the color turns yellow. The optical density (OD) is measured spectrophotometrically at a wavelength of 450 nm ± 2 nm. The OD value is proportional to the concentration of Rat IL-1ra/IL-1F3. You can calculate the concentration of Rat IL-1ra/IL-1F3 in the samples by comparing the OD of the samples to the standard curve. Intended Uses: This ELISA kit applies to the in vitro quantitative determination of Rat IL-1ra/IL-1F3 concentrations in serum, plasma and other biological fluids.
--	--

NCBI AND UNIPROT INFORMATION

NCBI GI #	10835147
NCBI GeneID	3557
NCBI Accession #	NP_000568.1
NCBI GenBank Nucleotide #	NM_000577.4
UniProt Accession #	P18510; Q14628; Q53SC2; Q7RTZ4; Q96GD6; Q9UPC0; A8K4G1
Molecular Weight	16,142 Da
NCBI Official Full Name	interleukin-1 receptor antagonist protein isoform 3
NCBI Official Synonym Full Names	interleukin 1 receptor antagonist
NCBI Official Symbol	IL1RN
NCBI Official Synonym Symbols	DIRA; IRAP; IL1F3; IL1RA; MVCD4; IL-1RN; IL-1ra; IL-1ra3; ICIL-1RA
NCBI Protein Information	interleukin-1 receptor antagonist protein; IL1 inhibitor; IL1RN (IL1F3); intracellular IL-1 receptor antagonist type II; intracellular interleukin-1 receptor antagonist (icIL-1ra); type II interleukin-1 receptor antagonist
UniProt Protein Name	Interleukin-1 receptor antagonist protein
UniProt Gene Name	IL1RN
UniProt Synonym Gene Names	IL1F3; IL1RA; IL-1RN; IL-1ra; IRAP
UniProt Entry Name	IL1RA_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.