

Human Interleukin 1 Receptor Antagonist (IL1RA) ELISA Kit | IL1RA elisa kit

High Sensitive Human Interleukin 1 Receptor Antagonist (IL1RA) ELISA Kit

CATALOG #
AAA148443

REACTIVITY
Human

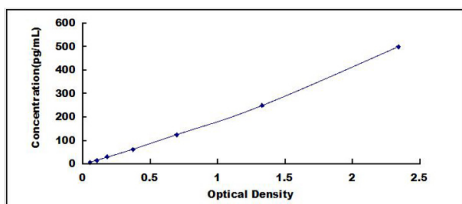
PRODUCT SYNONYMS

Interleukin 1 Receptor Antagonist (IL1RA); High Sensitive Human Interleukin 1 Receptor Antagonist (IL1RA) ELISA Kit; IL1RN; IL1-RA; ICIL1RA; IL1ra3; IL1F3; IRAP; IL-1RA; Interleukin-1 Family Member 3; IL1 inhibitor; Anakinra; IL1RA elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of High Sensitive Interleukin 1 Receptor Antagonist (IL1RA). No significant cross-reactivity or interference between High Sensitive Interleukin 1 Receptor Antagonist (IL1RA) and analogues was observed.
Sequence Length	159
Assay Type	Double-antibody Sandwich
Samples	Serum, Plasma, Tissue homogenates and other biological fluids
Detection Range	7.8-500pg/mL
Sensitivity	3.3pg/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level High Sensitive Interleukin 1 Receptor Antagonist (IL1RA) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level High Sensitive Interleukin 1 Receptor Antagonist (IL1RA) were tested on 3 different plates, 8 replicates in each plate.
CV(%) =	SD/meanX100
Intra-Assay	CV<10%
Inter-Assay	CV<12%
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for IL1RA elisa kit	The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to High Sensitive Interleukin 1 Receptor Antagonist (IL1RA). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to High Sensitive Interleukin 1 Receptor Antagonist (IL1RA). Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain High Sensitive Interleukin 1 Receptor Antagonist (IL1RA), biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm ± 10nm. The concentration of High Sensitive Interleukin 1 Receptor Antagonist (IL1RA) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Product Categories/Family for IL1RA elisa kit	Cytokine; Signal transduction; Infection immunity

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
UniProt Protein Name	Interleukin-1 receptor antagonist protein
UniProt Gene Name	IL1RN
UniProt Synonym Gene Names	IL1F3; IL1RA; IL-1RN; IL-1ra; IRAP

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/human-elisa-kits/interleukin-1-receptor-antagonist-il1ra/148443>