

Human IL-1RA ELISA Kit | IL1RN elisa kit

Human IL-1RA PicoKine ELISA Kit

CATALOG #
AAA11541

REACTIVITY
Human

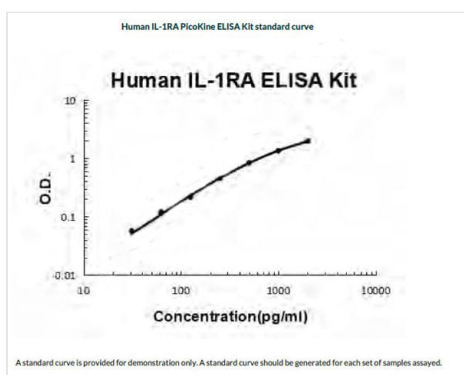
PRODUCT SYNONYMS

IL-1RA; Human IL-1RA PicoKine ELISA Kit; Interleukin-1 receptor antagonist protein; interleukin 1 receptor antagonist; Anakinra; DIRA; ICIL 1RA; ICIL-1RA; IL 1ra; IL 1RN; IL-1ra; IL-1RN; IL1 inhibitor; IL1F3; IL1RA; IL1RA_HUMAN; IL1RN; Interleukin 1 receptor antagonist; Interleukin 1 receptor antagonist protein; Intracellular IL 1 receptor antagonist type II; Intracellular interleukin 1 receptor antagonist; IRAP; MGC10430; MVCD4; Type II interleukin 1 receptor antagonist; IL1RN elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Natural and recombinant Human IL1RN
Sequence Length	177
Samples	Cell culture supernatants, cell lysates, serum and plasma (heparin, edta)
Detection Range	31.2 pg/ml - 2,000 pg/ml
Sensitivity	<2 pg/ml
Intra-assay Precision	Intra-Assay Precision (Precision within an assay): Three samples of known concentration were tested on one plate to assess intra-assay precision.
Inter-assay Precision	Inter-Assay Precision (Precision across assays): Three samples of known concentration were tested in separate assays to assess inter-assay precision.
Preparation and Storage	Store at 4 degree C for 6 months, at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles (Shipped with wet ice.)

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for IL1RN elisa kit	Principle of the Assay: Picokine™ Human IL1RN Pre-Coated ELISA (Enzyme-Linked Immunosorbent Assay) kit is a solid-phase immunoassay specially designed to measure Human IL1RN with a 96-well strip plate that is pre-coated with antibody specific for IL1RN. The detection antibody is a biotinylated antibody specific for IL1RN. The capture antibody is polyclonal antibody from goat and the detection antibody is polyclonal antibody from goat. The kit contains recombinant Human IL1RN with immunogen: Expression system for standard: E.coli; Immunogen sequence: R26-E177. The kit is analytically validated with ready-to-use reagents. To measure Human IL1RN, add standards and samples to the wells, then add the biotinylated detection antibody. Wash the wells with PBS or TBS buffer, and add Avidin-Biotin-Peroxidase Complex (ABC-HRP). Wash away the unbounded ABC-HRP with PBS or TBS buffer and add TMB. TMB is an HRP substrate and will be catalyzed to produce a blue color product, which changes into yellow after adding the acidic stop solution. The absorbance of the yellow product at 450nm is linearly proportional to Human IL1RN in the sample. Read the absorbance of the yellow product in each well using a plate reader, and benchmark the sample wells' readings against the standard curve to determine the concentration of Human IL1RN in the sample. Background/Introduction: The interleukin-1 receptor antagonist (IL-1RA) is a protein that in humans is encoded by the IL1RN gene. The human IL1RN gene was localized to the long arm of chromosome 2 at band 2q14.2 by fluorescence in situ hybridization.3 IL-1RA is a member of the interleukin 1 cytokine family. This protein inhibits the activities of interleukin 1, alpha (IL1A) and interleukin 1, beta (IL1B), and modulates a variety of interleukin 1 related immune and inflammatory responses.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	124312
NCBI GeneID	3557
UniProt Accession #	P18510; Q14628; Q53SC2; Q7RTZ4; Q96GD6; Q9UPC0; A8K4G1
Molecular Weight	16,142 Da
NCBI Official Full Name	Interleukin-1 receptor antagonist protein
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); type II interleukin-1 receptor antagonist; intracellular IL-1 receptor antagonist type II; intracellular interleukin-1 receptor antagonist (icIL-1ra)
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.