

Mouse IL-1RA/IL1RN ELISA Kit | IL1RN elisa kit

Mouse IL-1RA/IL1RN PicoKine ELISA Kit

CATALOG #
AAA45785

REACTIVITY
Mouse

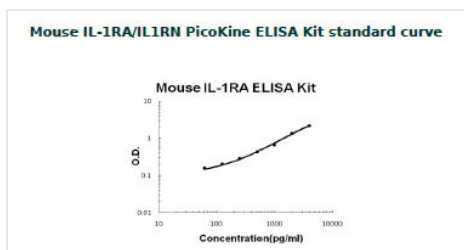
PRODUCT SYNONYMS

IL-1RA/IL1RN; Mouse IL-1RA/IL1RN PicoKine ELISA Kit; Interleukin-1 receptor antagonist protein; interleukin 1 receptor antagonist; ICIL 1RA; IL1 inhibitor; ICIL-1RA; ICIL1RA; IL-1ra; IL-1RN; IL1F3; IL1RA_HUMAN; IL1RN; Interleukin 1 Receptor Antagonist Protein; IRAP; IL1RN elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	Natural and recombinant Mouse Il1rn
Sequence Length	178
Samples	Cell culture supernates, cell lysates, serum and plasma (heparin, EDTA)
Detection Range	62.5pg/ml-4000pg/ml
Sensitivity	<10pg/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 interassay 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: The Picokine™ Mouse Il1rn Pre-Coated ELISA (Enzyme-Linked Immunosorbent Assay) kit is a solid phase immunoassay specially designed to measure Mouse 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 monoclonal antibody from rat, the detection antibody is polyclonal antibody from goat. The kit contains recombinant Mouse Il1rn with immunogen: Expression system for standard: E.coli; Immunogen sequence: R27-Q178. The kit is analytically validated with ready to use reagents. To measure Mouse 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 substrate to HRP and will be catalyzed to produce a blue color product, which changes into yellow after adding acidic stop solution. The density of the yellow product is linearly proportional to Mouse Il1rn in the sample. Read the density 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 Mouse 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. 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 #	124313
NCBI GeneID	16181
UniProt Accession #	P25085; O70207
Molecular Weight	17,996 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	IL-1ra; F630041P17Rik
NCBI Protein Information	interleukin-1 receptor antagonist protein; IRAP; IL-1RN; IL1 inhibitor
UniProt Protein Name	Interleukin-1 receptor antagonist protein
UniProt Gene Name	Il1rn
UniProt Synonym Gene Names	Il-1ra; IL-1RN; IL-1ra; IRAP
UniProt Entry Name	IL1RA_MOUSE

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.