

Human IL1R1 ELISA Kit | IL1R1 elisa kit

Human IL1R1 PicoKine ELISA Kit

CATALOG #
AAA45893

REACTIVITY
Human

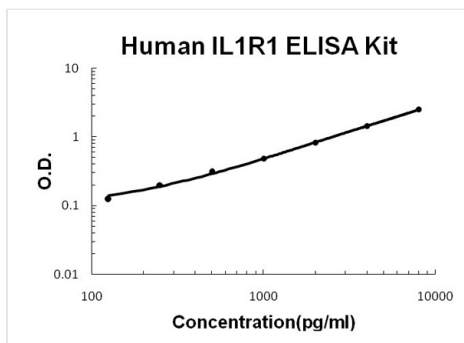
PRODUCT SYNONYMS

IL1R1; Human IL1R1 PicoKine ELISA Kit; Interleukin-1 receptor type 1; interleukin 1 receptor; type I; ICIL 1RA; IL1 inhibitor; ICIL-1RA; ICIL1RA; IL-1ra; IL-1RN; IL1F3; IL1RA_HUMAN; IL1RN; Interleukin 1 Receptor Antagonist Protein; Interleukin-1 receptor antagonist protein; IRAP; IL1R1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Natural and recombinant human IL1R1
Sequence Length	569
Samples	Cell culture supernates and serum
Assay Type	Sandwich
Detection Range	125pg/ml-8000pg/ml
Sensitivity	< 10pg/ml
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)

Human IL1R1 PicoKine ELISA Kit standard curve

ADDITIONAL INFORMATION

Related Product Information for IL1R1 elisa kit	Principle of the assay: human IL1R1 ELISA Kit was based on standard sandwich enzyme-linked immune-sorbent assay technology. A monoclonal antibody from mouse specific for IL1R1 has been precoated onto 96-well plates. Standards(NSO, D21-T332) and test samples are added to the wells, a biotinylated detection polyclonal antibody from goat specific for IL1R1 is added subsequently and then followed by washing with PBS or TBS buffer. Avidin-Biotin-Peroxidase Complex was added and unbound conjugates were washed away with PBS or TBS buffer. HRP substrate TMB was used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the human IL1R1 amount of sample captured in plate. Background: Interleukin 1 receptor, type I(IL1R1), also known as CD121a(Cluster of Differentiation 121a), is an interleukin receptor. The protein encoded by this gene is a cytokine receptor that belongs to the interleukin-1 receptor family. IL1R1 along with interleukin 1 receptor, type II(IL1R2), interleukin 1 receptor-like 2(IL1RL2), and interleukin 1 receptor-like 1(IL1RL1) form a cytokine receptor gene cluster in a region mapped to chromosome 2q12. This protein is a receptor for interleukin 1 alpha(IL1A), interleukin 1 beta(IL1B), and interleukin 1 receptor antagonist(IL1RA). It is an important mediator involved in many cytokine induced immune and inflammatory responses.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	124308
NCBI GeneID	3554
UniProt Accession #	P14778; Q58717
Molecular Weight	65,402 Da
NCBI Official Full Name	Interleukin-1 receptor type 1
NCBI Official Synonym Full Names	interleukin 1 receptor, type I
NCBI Official Symbol	IL1R1
NCBI Official Synonym Symbols	P80; IL1R; IL1RA; CD121A; D2S1473; IL-1R-alpha
NCBI Protein Information	interleukin-1 receptor type 1; IL-1R-1; IL-1RT1; IL-1RT-1; interleukin-1 receptor alpha; interleukin-1 receptor type I; CD121 antigen-like family member A; interleukin 1 receptor alpha, type I
UniProt Protein Name	Interleukin-1 receptor type 1
UniProt Gene Name	IL1R1
UniProt Synonym Gene Names	IL1R; IL1RA; IL1RT1; IL-1R-1; IL-1RT-1; IL-1RT1; IL-1R-alpha; mL-1R1; mL-1RI; sIL-1R1; sIL-1RI
UniProt Entry Name	IL1R1_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.