

Human IL1RL1/ST2 ELISA Kit | IL1RL1 elisa kit

Human IL1RL1/ST2 PicoKine ELISA Kit

CATALOG #
AAA45809

REACTIVITY
Human

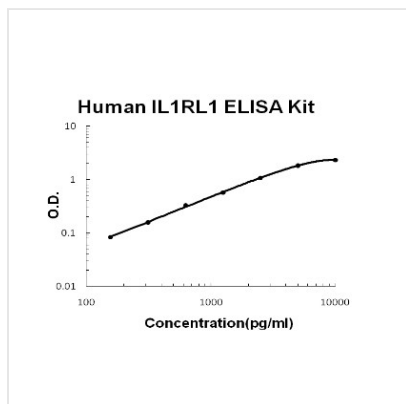
PRODUCT SYNONYMS

IL1RL1/ST2; Human IL1RL1/ST2 PicoKine ELISA Kit; Interleukin-1 receptor-like 1; interleukin 1 receptor-like 1; DER-4; DER4; FIT 1; Growth stimulation expressed; homolog of mouse growth stimulation-expressed; IL1r1; IL33R; ILRL1_HUMAN; Interleukin 1 receptor like 1; interleukin 1 receptor related protein; Ly84; Lymphocyte antigen 84; Protein ST2; ST2; ST2L; ST2V; Ste2; Suppressor of tumorigenicity 2; T1; T1 protein; IL1RL1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Natural and recombinant human IL1RL1 as well as free IL1RL1 and IL-33 complexed IL1RL1.
Sequence Length	556
Samples	Cell culture supernates, serum and plasma (heparin, EDTA)
Assay Type	Sandwich
Detection Range	156pg/ml-10,000pg/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 between 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)

Human IL1RL1/ST2 PicoKine ELISA Kit standard curve

ADDITIONAL INFORMATION

Related Product Information for IL1RL1 elisa kit	Principle of the assay: human IL1RL1 ELISA Kit was based on standard sandwich enzyme-linked immune-sorbent assay technology. A monoclonal antibody from mouse specific for IL1RL1 has been precoated onto 96-well plates. Standards(NSO, K19-S328) and test samples are added to the wells, a biotinylated detection polyclonal antibody from goat specific for IL1RL1 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 IL1RL1 amount of sample captured in plate. Background: Interleukin 1 receptor-like 1, also known as IL1RL1 or ST2, is a protein that in humans is encoded by the IL1RL1 gene. The protein encoded by this gene is a member of the interleukin 1 receptor family. Studies of the similar gene in mouse suggested that this receptor can be induced by proinflammatory stimuli, and may be involved in the function of helper T cells. TL1RL1 is necessary for endotoxin tolerance and, by inhibiting TLR responses, enhances Th2 responses. This gene, interleukin 1 receptor, type I (IL1R1), interleukin 1 receptor, type II (IL1R2) and interleukin 1 receptor-like 2 (IL1RL2) form a cytokine receptor gene cluster in a region mapped to chromosome 2q12.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	116242527
NCBI GeneID	9173
UniProt Accession #	Q01638; Q53TU7; Q8NEJ3; Q9ULV7; Q9UQ44; A8K6B3; B4E0I3
Molecular Weight	23,723 Da
NCBI Official Full Name	Interleukin-1 receptor-like 1
NCBI Official Synonym Full Names	interleukin 1 receptor-like 1
NCBI Official Symbol	IL1RL1
NCBI Official Synonym Symbols	T1; ST2; DER4; ST2L; ST2V; FIT-1; IL33R
NCBI Protein Information	interleukin-1 receptor-like 1; growth stimulation-expressed; interleukin 1 receptor-related protein; homolog of mouse growth stimulation-expressed
UniProt Protein Name	Interleukin-1 receptor-like 1
UniProt Gene Name	IL1RL1
UniProt Synonym Gene Names	DER4; ST2; T1
UniProt Entry Name	ILRL1_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.