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# **IL1RL1 ELISA Kit**





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Quantity:	1 kit
Target:	IL1RL1
Reactivity:	Human
Method Type:	Sandwich ELISA
Detection Range:	156 pg/mL - 10000 pg/mL
Minimum Detection Limit:	156 pg/mL
Application:	ELISA

#### **Product Details**

Purpose:

Sample Type:	Cell Culture Lysate, Cell Culture Supernatant, Plasma (EDTA - heparin), Serum, Tissue	
	Homogenate	
Analytical Method:	Quantitative	
Detection Method:	Colorimetric	
Characteristics:	Synonyms: DER-4,DER4, FIT 1, Growth stimulation expressed, homolog of mouse growth	
	stimulation-expressed, Il1rl1, IL33R, ILRL1_HUMAN, Interleukin 1 receptor like 1, interleukin 1	
	receptor related protein, Interleukin-1 receptor-like 1, Ly84, Lymphocyte antigen 84, Protein ST2,	
	ST2, ST2L, ST2V, Ste2, Suppressor of tumorigenicity 2, T1, T1 protein	
	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	

Sandwich ELISA for Quantitative Detection of Antigen

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.

Gene Name: IL1RL1

Production: Natural and recombinant human IL1RL1 as well as free IL1RL1 and IL-33 complexed IL1RL1. There is no detectable cross-reactivity with other relevant proteins. Standard: Expression system for standard: NSO, Immunogen sequence: K19-S328

#### **Target Details**

Target:	IL1RL1
Alternative Name:	IL1RL1 - ST2 (IL1RL1 Products)
Gene ID:	9173
NCBI Accession:	NP_001269337
UniProt:	Q01638

# **Application Details**

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Application Note: Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot 0.1 mL per well of the 10,000pg/mL, 5000pg/mL, 2500pg/mL, 1250pg/mL, 625pg/mL, 312pg/mL, 156pg/mL human IL1RL1 standard solutions into the precoated 96-well plate. Add 0.1 mL of the sample diluent buffer into the control well (Zero well). Add 0.1 mL of each properly diluted sample of human cell culture supernates, serum or plasma(heparin, EDTA) to each empty well. It is recommended that each human IL1RL1 standard solution and each sample be measured in duplicate.

Blood Product Anticoagulant: Heparin Sodium

ELISA Dilution: 156pg/mL-10,000pg/mL

Sample Volume: 100 µL

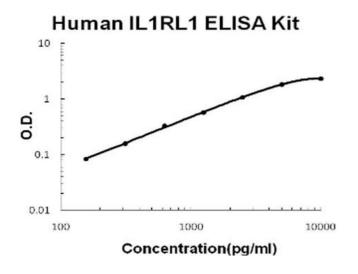
Plate: Pre-coated

Restrictions: For Research Use only

### Handling

Storage:	RT,4 °C,-20 °C
Storage Comment:	Store vials at 4°C prior to opening. Centrifuge product if not completely clear after standing at
	room temperature. This product is stable for 6 months at 4°C as an undiluted liquid. Dilute only
	prior to immediate use. For extended storage freeze at -20°C or below for 12 months. Avoid
	cycles of freezing and thawing.

## **Images**



#### **ELISA**

**Image 1.** Human IL1RL1/ST2 Accusignal ELISA Kit Human IL1RL1/ST2 AccuSignal ELISA Kit standard curve. Assay Range: 156pg/ml-10,000pg/ml. Sensitivity: <10pg/ml.