

Datasheet for ABIN6719870  
**IL1R2 ELISA Kit**



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1 Image

## Overview

Quantity:	1 kit
Target:	IL1R2
Reactivity:	Human
Method Type:	Sandwich ELISA
Detection Range:	31.2 pg/mL - 2000 pg/mL
Minimum Detection Limit:	31.2 pg/mL
Application:	ELISA

## Product Details

Purpose:	Human IL1R2 Sandwich ELISA Kit for Quantitative Detection
Brand:	AccuSignal™
Sample Type:	Cell Culture Supernatant, Serum
Analytical Method:	Quantitative
Detection Method:	Colorimetric
Specificity:	Production: Natural and recombinant human IL1R2. There is no detectable cross-reactivity with other relevant proteins.
Sensitivity:	< 10 pg/mL
Components:	<ul style="list-style-type: none"><li>• Antibody-coated 96-well plate</li><li>• Target Protein Standard</li><li>• Detection antibody</li></ul>

## Product Details

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- Detection reagent
- Diluent buffers
- Wash buffers
- Substrate Solution
- Stop solutions
- Adhesive covers

## Target Details

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Target: IL1R2

Alternative Name: [IL1R2 \(IL1R2 Products\)](#)

Background: Synonyms: IL1 Receptor II, Antigen CDw121b, CD121, CD121 antigen-like family member B, CD121b, CD121B Antigen, CDw121b, IL-1R-2, IL-1R-beta, IL-1R2, IL-1RT-2, IL-1RT2, IL1 R2, IL1 receptor beta chain, IL1R beta, IL1r-2|IL1R2, IL1R2\_HUMAN, IL1RB, Interleukin 1 receptor type II precursor, Interleukin 1 receptor type II, Interleukin-1 receptor beta, Interleukin-1 receptor type 2, Interleukin-1 receptor type II, p68, Type II interleukin 1 receptor beta, Type II interleukin-1 receptor beta

Background: Interleukin 1 receptor, type II(IL1R2) also known as CD121b(Cluster of Differentiation 121b) is an interleukin receptor. The protein encoded by this gene is a cytokine receptor that belongs to the interleukin-1 receptor family. It is mapped to 2q11.2. IL1R2 binds interleukin alpha(IL1A), interleukin beta(IL1B), and interleukin 1 receptor, type I(IL1R1/IL1RA), and acts as a decoy receptor that inhibits the activity of its ligands. IL1R2 also modulates cellular response through non-signaling association with IL1RAP after binding to IL1B. The secreted IL1R2 recruits secreted IL1RAP with high affinity, and this complex formation may be the dominant mechanism for neutralization of IL1B by secreted/soluble receptors.

Gene ID: 7850

NCBI Accession: [NP\\_001248348](#)

UniProt: [P27930](#)

Pathways: [NF-kappaB Signaling](#)

## Application Details

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Application Notes: Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot 0.1 mL per well of the 2000pg/mL, 1000pg/mL, 500pg/mL, 250pg/mL, 125pg/mL, 62.5pg/mL, 31.2pg/mL human IL1R2 standard solutions into the precoated 96-well plate. Add 0.1 mL of the sample diluent

## Application Details

buffer into the control well (Zero well). Add 0.1 mL of each properly diluted sample of human cell culture supernates or serum to each empty well. It is recommended that each human IL1R2 standard solution and each sample be measured in duplicate.

Comment: Standard: Expression system for standard: sf21, Immunogen sequence: F14-E343

Sample Volume: 100  $\mu$ L

Plate: Pre-coated

Restrictions: For Research Use only

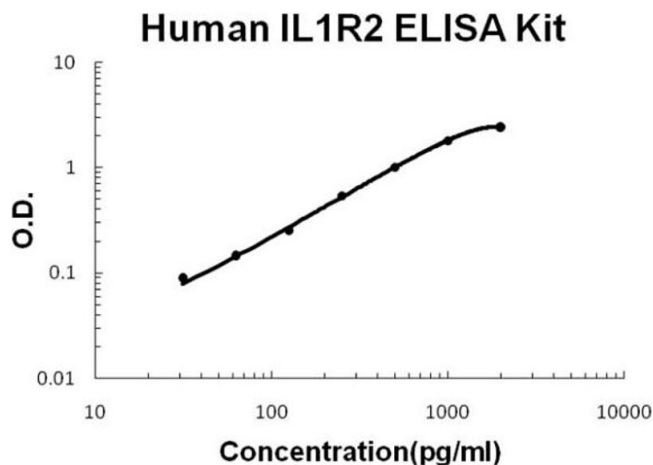
## Handling

Storage: 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.

Expiry Date: 12 months

## Images



### ELISA

**Image 1.** Human IL1R2 Accusignal ELISA Kit Human IL1R2 AccuSignal ELISA Kit standard curve. Assay Range: 31.2pg/ml-2000pg/ml. Sensitivity: <10pg/ml.