

Datasheet for ABIN7196346

**IL1R2 Protein (His tag)****1** Image[Go to Product page](#)

## Overview

Quantity:	100 µg
Target:	IL1R2
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This IL1R2 protein is labelled with His tag.

## Product Details

Purpose:	Recombinant Mouse IL1R2/CD121b Protein (His Tag)(Active)
Sequence:	Met1-Glu355
Characteristics:	A DNA sequence encoding the mouse IL1R2 (P27931) (Met1-Glu355) was expressed with a C-terminal polyhistidine tag.
Purity:	> 95 % as determined by SDS-PAGE
Endotoxin Level:	< 1.0 EU per µg of the protein as determined by the LAL method.
Biological Activity Comment:	Measured by its binding ability in a functional ELISA. Immobilized mouse IL1R2-His at 10 µg/ml (100 µl/well) can bind biotinylated human IL1B-His , The EC50 of biotinylated human IL1B-His is 0.37-0.85 µg/ml.

## Target Details

Target:	IL1R2
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## Target Details

Alternative Name: IL1R2/CD121b ([IL1R2 Products](#))

**Background:** Background: Interleukin 1 receptor, type II (IL1R2) also known as CD121b (Cluster of Differentiation 121b) is a cytokine receptor that belongs to the interleukin-1 receptor family. This protein 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. The pleiotropic cytokine IL1 is produced to regulate development and maintenance of the inflammatory responses, and binds to specific plasma membrane receptors on cells. Two distinct types of IL1 receptors which are able to bind IL1 specifically have been identified, designated as IL1RI (IL1RA) and IL1RII (IL1RB). IL1R1 contributes to IL-1 signaling, whereas the IL-1R2/CD121b has no signaling property and acts as a decoy for IL-1. IL-1R2/CD121b structurally consisting of a ligand binding portion comprised of three Ig-like domains, a single transmembrane region, and a short cytoplasmic domain, is expressed in a variety of cell types including B lymphocytes, neutrophils, monocytes, large granular leukocytes and endothelial cells. Interleukin 4 (IL4) is reported to antagonize the activity of interleukin 1 by inducing the expression and release of this cytokine.

Synonym: Interleukin-1 receptor type 2, IL-1R-2, IL-1RT-2, IL-1RT2, CD121 antigen-like family member B, CD121b, IL-1 type II receptor, Interleukin-1 receptor beta, IL-1R-beta, Interleukin-1 receptor type II, CD121b

Molecular Weight: 39.6 kDa

UniProt: [P27931](#)

Pathways: [NF-kappaB Signaling](#)

## Application Details

Restrictions: For Research Use only

## Handling

Format: Lyophilized

Reconstitution: Please refer to the printed manual for detailed information.

Buffer: Lyophilized from sterile PBS, pH 7.4

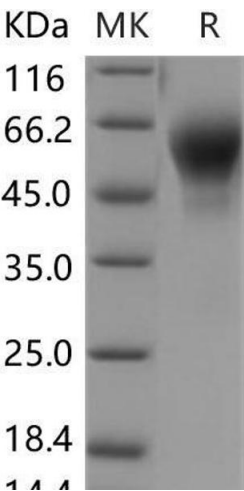
Storage: 4 °C, -20 °C, -80 °C

**Storage Comment:** Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted

Handling

samples are stable at < -20°C for 3 months.

Images



Western Blotting

Image 1.