

# Product Information

## Recombinant Anti-Human il1r1 Antibody

Cat. No.: **MOM-18578**

This product is for research use only and is not intended for diagnostic use.

### Product Overview

Recombinant Mouse Antibody is against Human IL1R1, expressed in Chinese Hamster Ovary cells(CHO)

### Antigen Description

Receptor for interleukin-1 alpha (IL-1A), beta (IL-1B), and interleukin-1 receptor antagonist protein (IL-1RA). Binding to the agonist leads to the activation of NF-kappa-B. Signaling involves formation of a ternary complex containing IL1RAP, TOLLIP, MYD88, and IRAK1 or IRAK2.

### Specific Activity

Tested positive against native antigen.

### Target

IL1R1

### Immunogen

The details of the immunogen for this antibody are not available.

### Source

Mouse

### Species Reactivity

Human

### Type

IgG

### Expression Host

CHO

### Purity

>95.0% as determined by analysis by SDS-PAGE.

### Applications

Suitable for use in Neut, ELISA, IHC and most other immunological methods.

### Storage

Store at +4°C short term (1-2 weeks). Aliquot and store at -20°C long term. Avoid repeated freeze/thaw cycles.

## ANTIGEN GENE INFORMATION

### Gene Name

[IL1R1 interleukin 1 receptor, type I \[ Homo sapiens \]](#)

**Official Symbol**

IL1R1

**Synonyms**

IL1R1; interleukin 1 receptor, type I; IL1R, IL1RA; interleukin-1 receptor type 1; CD121A; D2S1473; IL-1R-1; IL-1RT1; IL-1RT-1; antigen CD121a; interleukin receptor 1; interleukin-1 receptor alpha; interleukin-1 receptor type I; CD121 antigen-like family member A; interleukin 1 receptor alpha, type I; P80; IL1R; IL1RA; IL-1R-alpha;

**Gene ID**

[3554](#)

**mRNA Refseq**

[NM\\_000877](#)

**Protein Refseq**

[NP\\_000868](#)

**MIM**

[147810](#)

**UniProt ID**

P14778

**Chromosome Location**

2q12

**Pathway**

Amoebiasis, organism-specific biosystem; Amoebiasis, conserved biosystem; Apoptosis, organism-specific biosystem; Apoptosis, conserved biosystem; Cytokine Signaling in Immune system, organism-specific biosystem; Cytokine-cytokine receptor interaction, organism-specific biosystem; Cytokine-cytokine receptor interaction, conserved biosystem;

**Function**

interleukin-1 receptor activity; interleukin-1, Type I, activating receptor activity; platelet-derived growth factor receptor binding; protease binding; protein binding; receptor activity; signal transducer activity; transmembrane signaling receptor activity;