

For Research Use Only

# Recombinant Mouse IL-1R2 protein (rFc Tag) (HPLC verified)



Catalog Number: Eg2956

## Basic Information

**Species:**  
Mouse

**Purity:**  
>90 %, SDS-PAGE  
>90 %, SEC-HPLC

**Tag:**  
rFc Tag

## Technical Specifications

**Purity:**  
>90 %, SDS-PAGE  
>90 %, SEC-HPLC

**Endotoxin Level:**  
<0.1 EU/ µg protein, LAL method

**Source:**  
HEK293-derived Mouse IL-1R2 protein Phe14-Glu355 (Accession# P27931) with a rabbit IgG Fc tag at the C-terminus.

**GeneID:**  
16178

**Accession:**  
P27931

**Predicted Molecular Mass:**  
64.2 kDa

**SDS-PAGE:**  
63-85 kDa, reducing (R) conditions

**Formulation:**  
Lyophilized from 0.22 µm filtered solution in PBS, pH 7.4. Normally 5% trehalose and 5% mannitol are added as protectants before lyophilization.

## Biological Activity

Not tested

## Storage and Shipping

### Storage:

It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

- Until expiry date, -20°C to -80°C as lyophilized proteins.
- 3 months, -20°C to -80°C under sterile conditions after reconstitution.

### Shipping:

The product is shipped at ambient temperature. Upon receipt, store it immediately at the recommended temperature.

## Reconstitution

Briefly centrifuge the tube before opening. Reconstitute at 0.1-0.5 mg/mL in sterile water.

## Background

Interleukin-1 receptor type 2 (IL1R2, also known as CD121b) is a cytokine receptor that belongs to the interleukin 1 receptor family. It exists in both a membrane bound and soluble form. 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 serves as a negative regulator of IL-1 signaling, thereby suppressing inflammatory response.

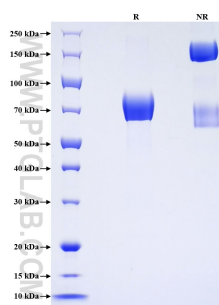
## References

1. Xia J, Zhang L, Peng X, et al. (2024) Cancer Res. 84(14):2282-2296.
2. Zhou N, Liu L, Li Q. (2024) Exp Eye Res. 239:109750.
3. Ocskó T, Tóth DM, Hoffmann G, et al. (2018) Biochim Biophys Acta Gene Regul Mech. 1861(11):1040-1047.

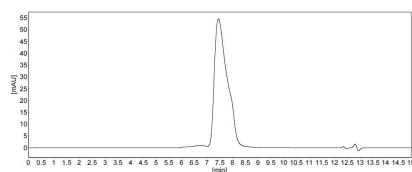
## Synonyms

CD121 antigen-like family member B, CD121b, IL-1 type II receptor, IL1r2, IL-1R-2

## Selected Validation Data



Purity of Recombinant Mouse IL-1R2 was determined by SDS-PAGE. The protein was resolved in an SDS-PAGE in reducing (R) and non-reducing (NR) conditions and stained using Coomassie blue.



The purity of Mouse IL-1R2 was greater than 90% as determined by SEC-HPLC.

For technical support and original validation data for this product please contact

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