

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/ μ g 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 μ m 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.

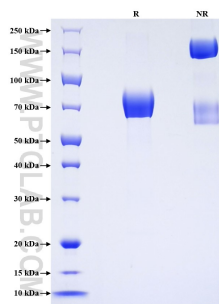
References

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.

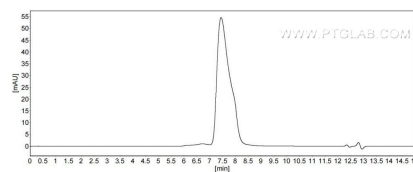
Synonyms

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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