

Human CellExp IL-1 RII /CD121b, human recombinant protein
CD121b, IL1RB, IL1R2, CDw121b
Catalog # PBV11015r**Specification**

Human CellExp IL-1 RII /CD121b, human recombinant protein - Product infoPrimary Accession
Calculated MW[P27930](#)

This protein is fused with 6×His tag at the C-terminus, has a calculated MW of 38.6 kDa. The predicted N-terminus is Thr 14. DTT-reduced Protein migrates as 50-55 kDa due to glycosylation. KDa

Human CellExp IL-1 RII /CD121b, human recombinant protein - Additional InfoGene ID
Gene Symbol
Other Names
CD121b, IL1RB, IL1R2, CDw121b**7850**
IL1R2Gene Source
Source
Assay&Purity
Assay2&Purity2
Recombinant
Results

Human
HEK293 cells
SDS-PAGE; ≥95%
N/A;
Yes
Measured by its ability to inhibit IL-1 beta dependent proliferation in D10.G4.1 mouse helper T cells. Approximately 0.5-3 µg/ml of IL1R2 will inhibit 50% of the biological response due to 50 pg/ml of recombinant human IL-1 beta.

Target/Specificity
IL-1 RII /CD121b**Application Notes**

Centrifuge the vial prior to opening. Reconstitute in sterile PBS, pH 7.4 to a concentration of 50 µg/ml. Do not vortex. This solution can be stored at 2-8°C for up to 1 month. For extended storage, it is recommended to store at -20°C.

Format
Lyophilized**Storage**

-20°C; Lyophilized from 0.22 µm filtered solution in PBS, pH7.4. Generally 5-8% Mannitol or trehalose is added as a protectant before lyophilization.

Human CellExp IL-1 RII /CD121b, human recombinant protein - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Human CellExp IL-1 RII /CD121b, human recombinant protein - Images

Human CellExp IL-1 RII /CD121b, human recombinant protein - Background

Interleukin-1 receptor type 2 (IL1R2) also known as CD121 antigen-like family member B (CDw121b), IL-1 type II receptor, Interleukin-1 receptor type II, belongs to the interleukin-1 receptor family. Two distinct types of IL1 receptors which are able to bind IL1 specifically have been identified designated as IL1RI (IL1RA) and IL1RII (IL1RB). IL1R2 is non-signaling receptor for IL1A, IL1B and IL1RN, reduces IL1B activities. Serves as a decoy receptor by competitive binding to IL1B and preventing its binding to IL1R1. IL1R2 modulates cellular response through non-signaling association with IL1RAP after binding to IL1B. IL1R2 (membrane and secreted forms) preferentially binds IL1B and poorly IL1A and IL1RN. The secreted IL1R2 recruits secreted IL1RAP with high affinity; this complex formation may be the dominant mechanism for neutralization of IL1B by secreted/soluble receptors.

Human CellExp IL-1 RII /CD121b, human recombinant protein - References

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Chou H.-H.,et al.Submitted (OCT-1996) to the EMBL/GenBank/DDBJ databases.
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