

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

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**Human CellExp IL-1 RII /CD121b, human recombinant protein - Product info**Primary 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 Info**Gene ID  
Gene Symbol  
**Other Names**  
CD121b, IL1RB, IL1R2, CDw121b7850  
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**

McMahan C.J., et al. EMBO J. 10:2821-2832(1991).  
Liu C., et al. J. Biol. Chem. 271:20965-20972(1996).  
Chou H.-H., et al. Submitted (OCT-1996) to the EMBL/GenBank/DDBJ databases.  
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