

Human CellExp™ IL-1 RII /CD121b, human recombinant

CATALOG #: 7392-10 10 µg
7392-50 50 µg

ALTERNATE NAMES: CD121b, IL1RB, IL1R2, CDw121b

SOURCE: HEK 293 cells (Thr 14 - Glu 343)

PURITY: ≥ 98% by SDS-PAGE gel

MOL. WEIGHT: 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.

ENDOTOXIN LEVEL: <1 EU/µg by LAL method

FORM: Lyophilized

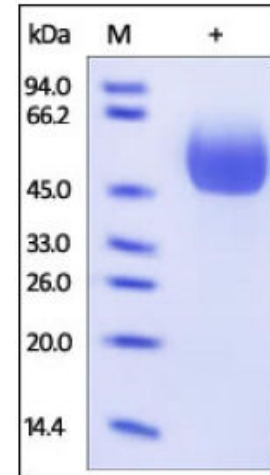
FORMULATION: Lyophilized from 0.22 µm filtered solution in PBS, pH7.4. Generally 5-8% Mannitol or trehalose is added as a protectant before lyophilization.

STORAGE CONDITIONS: Store at -20°C. After reconstitution, aliquot and store at -20°C and use within 3 months. Avoid repeated freezing and thawing cycles.

RECONSTITUTION: 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.

DESCRIPTION: 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

BIOLOGICAL ACTIVITY: 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.



Human recombinant IL-1 RII /CD121b

RELATED PRODUCTS:

- Human Cell^{exp} Human Recombinant IL-2 (Cat # 6461-10, -50)
- IL-2 Receptor α, Human Recombinant (Cat # 7100-10, -50)
- Human CellExp™ CD223, human recombinant (Cat. No. 7278-10, -50)
- Human CellExp™ CD71, human recombinant (Cat. No. 7279-10, -50)
- Human CellExp™ CD273, human recombinant (Cat. No. 7369-10, -50)
- Human CellExp™ CD33, human recombinant (Cat. No. 7370-10, -50)
- Human CellExp™ CD36, human recombinant (Cat. No. 7371-10, -50)
- Human CellExp™ CD87, human recombinant (Cat. No. 7372-20, -100)
- Human CellExp™ CD360, human recombinant (Cat. No. 7373-20, -100)
- Human CellExp™ CD244, human recombinant (Cat. No. 7374-10, -50)
- Human CellExp™ CD304, human recombinant (Cat. No. 7375-10)
- Human CellExp™ CD319, human recombinant (Cat. No. 7376-10, -50)
- Human CellExp™ CD306, human recombinant (Cat. No. 7377-10, -50)
- Human CellExp™ CD84, human recombinant (Cat. No. 7378-10, -50)
- Human CellExp™ CD111, human recombinant (Cat. No. 7379-10, -50)
- Human CellExp™ CD48, human recombinant (Cat. No. 7380-10, -50)

