Recombinant Human IL-1R2/CD121b Protein

Catalog No.: RP01028

Sequence Information

Species
Human

Gene ID
7850

Swiss Prot
P27930

Tags
C-His

Synonyms
IL1R2,CD121b,CDw121b,IL-1R-2, IL-1RT-2,IL-1RT2,IL1R2c,IL1RB

Product Information

Source
HEK293 cells

Purification
≥ 95 % as determined by SDS-PAGE.

Calculated MW
40.06 kDa

Observed MW
55-65 kDa

Endotoxin
< 0.1 EU/μg of the protein by LAL method.

Formulation
Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4.Contact us for customized product form or formulation.

Reconstitution
Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stablizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

Background

Non-signaling receptor for IL1A, IL1B and IL1RN. Reduces IL1B activities. Serves as a decoy receptor by competetive binding to IL1B and preventing its binding to IL1R1. Also 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.

Basic Information

Description
Recombinant Human IL-1R2/CD121b Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Met1-Glu343) of human IL1R2 (Accession #NP_004624.1) fused with a 6×His tag at the C-terminus.

Activity
Measured by its binding ability in a functional ELISA. Immobilized Recombinant Human IL1R2 at 2 μg/mL (100 μL/well) can bind Human IL1RA with a linear range of 31.25-43.5 ng/mL.

Shipping
Lyophilized proteins are shipped at ambient temperature.
Liquid proteins are shipped at frozen temperature with dry ice.
Upon receipt, store it immediately at the temperature recommended below.

Storage
Store at -20℃

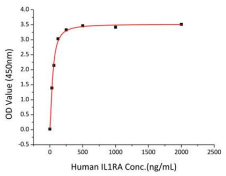
Operational Notes
For your safety and health, please wear a lab coat and disposable gloves for handling.

Contact

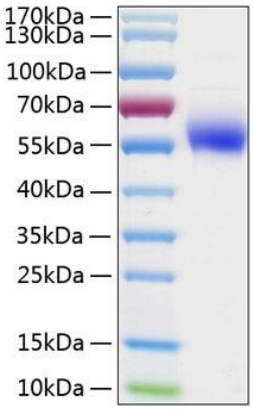
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Please visit http://abclonal.com for a complete listing of recommended products.

Validation Data



Immobilized Recombinant Human IL1R2 at 2μg/mL (100μL/well) can bind Human IL1RA with a linear range of 31.25-43.5 ng/mL.



Recombinant Human IL-1R2/CD121b Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.