Recombinant Human IL-12 R beta 1/CD212 Protein

Catalog No.: RP00675

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Sequence Information

Species
Human

Gene ID
3594

Swiss Prot
P42701

Tags
C-Fc

Synonyms
IL12RB1,CD212,IL-12R-BETA1, IL12RB,IMD30

Product Information

Source
HEK293 cells

Purification
≥ 95 % as determined by SDS-PAGE.

Calculated MW
84.2 kDa

Observed MW
95-110 kDa

Endotoxin
< 1 EU/μg of the protein by LAL method.

Formulation
Lyophilized from a 0.2 μm filtered solution of PBS, pH7.4.Contact us for customized product form or formulation.

Reconstitution
Centrifuge the tube 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

Interleukin12 receptor subunit beta 1 (IL12RB1) is a type I transmembrane protein that belongs to thehemopoietin receptor superfamily. IL12RB1 can spontaneously form homodimers and -oligomers, which areable to bind IL12 with only low affinity. IL12 high affinity receptor complex is composed of two subunitsdesignated IL12RB1 and IL12RB2. While IL12RB1 interacts with the IL-12p40 subunit, IL-12p35 is mainlyconnecting with IL12RB2. This receptor chain is also responsible for transmitting the IL12 signal into the cell.IL12RB1, to the contrary, is also part of the IL23R, where it interacts with the p40 subunit of IL23. IL12RB1 isexpressed in activated T cells, NK cells and B cells.

Basic Information

Description
Recombinant Human IL-12 R beta 1/CD212 Protein is produced by Human cells expression system. The target protein is expressed with sequence (Cys24-Glu540) of Human IL-12 R beta 1/CD212 (Accession #P42701) fused with an Fc tag at the C-terminus.

Activity

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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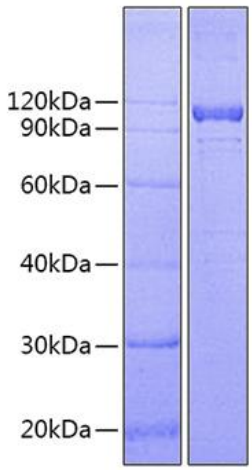
For research use only. Not for therapeutic or diagnostic purposes.
Please visit http://abclonal.com for a complete listing of recommended products.

Validation Data



Recombinant Human IL-12 R beta 1/CD212 Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.