

Recombinant Mouse IL-2 Receptor Subunit Beta/IL-2RB/CD122 (C-Fc)

Catalog Number:PKSM041435

Note: Centrifuge before opening to ensure complete recovery of vial contents.

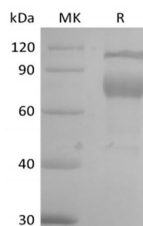
Description

| | |
|------------------------------------|--|
| Synonyms | Interleukin-2 receptor subunit beta;IL2RB;IL-2 receptor subunit beta;IL-2R subunit beta;High affinity IL-2 receptor subunit beta;CD122 |
| Species | Mouse |
| Expression Host | HEK293 Cells |
| Sequence | Ala27-Glu240 |
| Accession | P16297 |
| Calculated Molecular Weight | 52.2 kDa |
| Observed molecular weight | 70-110 kDa |
| Tag | C-Fc |

Properties

| | |
|-----------------------|---|
| Purity | > 95 % as determined by reducing SDS-PAGE. |
| Endotoxin | < 1.0 EU per µg of the protein as determined by the LAL method. |
| Storage | Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months. |
| Shipping | This product is provided as lyophilized powder which is shipped with ice packs. |
| Formulation | Lyophilized from a 0.2 µm filtered solution of 20mM Tris-HCl, 150mM NaCl, pH 8.5. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the print |
| Reconstitution | Please refer to the printed manual for detailed information. |

Data



> 95 % as determined by reducing SDS-PAGE.

Background

IL-2RB, also known as interleukin-2 receptor subunit beta, is the receptor for interleukin-2. IL2 receptor complex is involved in receptor mediated endocytosis and transduces the mitogenic signals of IL2. IL2 receptor complex has three forms with respect to ability to bind IL2. IL-2RB is belonged to a type I membrane protein, and has a 26 residue signal peptide, a 214 residue extracellular region, a 25 residue transmembrane region and a 286 residue cytoplasmic domain. IL-2RB is the subunit critical for receptor-mediated signaling via physically or functionally coupling to other signaling molecules, such as the Jak-STAT and Src-family protein tyrosine kinase although it lacks apparent catalytic motifs.

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