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.*

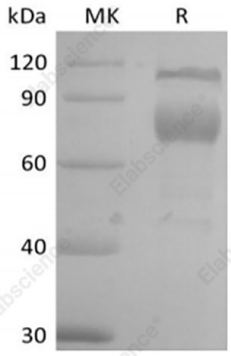
Description

Species	Mouse
Source	HEK293 Cells-derived Mouse IL-2RB/CD122 protein Ala27-Glu240, with an C-terminal Fc
Calculated MW	52.2 kDa
Observed MW	70-110 kDa
Accession	P16297
Bio-activity	Not validated for activity

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% Tween 80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.
Reconstitution	Please refer to the printed manual for detailed information.

Data



> 95 % as determined by reducing SDS-PAGE.

Background

IL-2RB, also known asinterleukin-2 receptor subunit beta,is the receptor for interleukin-2. IL2 receptor complexis involved in receptor mediated endocytosis and transduces the mitogenic signals of IL2. IL2 receptor complexhas 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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