



Recombinant Protein Technical Manual

Recombinant Human IL-2RB/CD122 Protein (Fc Tag)(Active)
RPES1189

Product Data:

Product SKU: RPES1189

Size: 10µg

Species: Human

Expression host: Human Cells

Uniprot: P14784

Protein Information:

Molecular Mass: 51.7 kDa

AP Molecular Mass: 60-80 kDa

Tag: C-Fc

Bio-activity: Immobilized Human IL-2(Cat: PKSH032629) at 10µg/ml(100 µl/well) can bind Human IL-2RB-Fc. The ED50 of Human IL-2RB-Fc is 1.37 ug/mL

Purity: > 95 % as determined by reducing SDS-PAGE.

Endotoxin: < 1.0 EU per µg as determined by the LAL method.

Storage: 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 PBS, pH7.4.

Reconstitution: Please refer to the printed manual for detailed information.

Application: Functional ELISA

Synonyms: Interleukin-2 receptor subunit beta;IL2RB;IL-2 receptor subunit beta;IL-2R subunit beta;High affinity IL-2 receptor subunit beta;CD122

Immunogen Information:

Sequence: Ala27-Asp239

Background:

Human 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.