



Recombinant Protein Technical Manual

Recombinant Human IL2Ra/CD25 Protein (Fc Tag)(Active)
RPES1153

Product Data:

Product SKU: RPES1153

Size: 10µg

Species: Human

Expression host: Human Cells

Uniprot: P01589

Protein Information:

Molecular Mass: 48.9 kDa

AP Molecular Mass: 60-90 kDa

Tag: C-Fc

Bio-activity: Immobilized Human IL-2RA-Fc at 10µg/ml(100 µl/well) can bind Human IL-2-His(Cat: PKSH032629). The ED50 of Human IL-2RA-Fc is 0.46 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 alpha;CD25;p55;TAC antigen;IL2-RA;IL-2R subunit alpha;IL-2-RA;IL-2 receptor subunit alpha; IL-2Rα;IDDM10;IL2R;p55;TCGFR

Immunogen Information:

Sequence: Glu22-Cys213

Background:

Interleukin-2 receptor subunit alpha (IL2RA) is a single-pass type I membrane protein, contains 2 Sushi (CCP/SCR) domains. The interleukin 2 (IL2) receptor alpha (IL2RA) and beta (IL2RB) chains, together with the common gamma chain (IL2RG), constitute the high-affinity IL2 receptor. Homodimeric alpha chains (IL2RA) result in low-affinity receptor, while homodimeric beta (IL2RB) chains produce a medium-affinity receptor. Normally an integral-membrane protein, soluble IL2RA has been isolated and determined to result from extracellular proteolysis.