

**Product Data:****Product SKU:** RPES1377**Size:** 10µg**Species:** Mouse**Expression host:** Human Cells**Uniprot:** P01590**Protein Information:****Molecular Mass:** 25.5 kDa**AP Molecular Mass:** 40-60 kDa**Tag:** C-His**Bio-activity:****Purity:** > 95% as determined by reducing SDS-PAGE.**Endotoxin:** < 1.0 EU per µg as determined by the LAL method.**Storage:** Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°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:****Synonyms:** CD25; IL-2 R alpha; IL2RA; CD25 antigen; IDDM10; IL-2 receptor subunit alpha; IL2R; IL-2R subunit alpha; IL-2-RA; IL2-RA; interleukin 2 receptor; alpha; interleukin-2 receptor subunit alpha; p55; TAC antigen; TCGFR;IL2r; Ly-43

## Immunogen Information:

**Sequence:** Glu22-Lys236

## Background:

The interleukin 2 receptor alpha (IL2RA), also called CD25, is a type I transmembrane protein that presents on activated T cells, activated B cells, some thymocytes, myeloid precursors, and oligodendrocytes. IL2RA is a member of cytokine receptors family that utilizes the common gamma chain subunit ( $\gamma_c$ ). IL2RA is expressed in most B-cell neoplasms, some acute nonlymphocytic leukemias, neuroblastomas, and tumor infiltrating lymphocytes. IL2RA associates with IL2RB (CD122) to form a heterodimer that can act as a high-affinity receptor for IL-2.