

Product datasheet for **TP724799**

IL2 Receptor alpha (IL2RA) Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins

Description: Recombinant Human IL-2RA/CD25 (C-Avi&His)

Species: Human

Expression cDNA Clone or AA Sequence: Glu22-Gln240

Tag: C-Avi&His

Buffer: Supplied as a 0.2 um filtered solution of PBS, pH7.4

Note: Recombinant Human Interleukin-2 Receptor subunit alpha is produced by our Mammalian expression system and the target gene encoding Glu22-Gln240 is expressed with a Avi and 6His tag at the C-terminus.

Stability: 12 months from date of despatch

Locus ID: 3559

UniProt ID: [P01589](#)

Summary: Interleukin-2 receptor subunit alpha (IL2RA) is a single-pass type I membrane glycoprotein, contains 2 Sushi (CCP/SCR) domains. IL2RA is expressed on activated T cells and regulatory T cells, and can bind IL2 with low affinity by itself. The interleukin 2 (IL2) receptor alpha (IL2RA) and beta (IL2RB) chains, together with the common gamma chain (IL2RG), constitute the high-affinity IL2 receptor. While homodimeric alpha chains (IL2RA) result in low-affinity receptor, homodimeric beta (IL2RB) chains produce a medium-affinity receptor. CD25 has been previously regarded as an activation marker on dendritic cells. Although both murine and human dendritic cells can express CD25, they do not express the beta-chain of the IL-2 receptor, which is indispensable for the execution of IL-2 signaling.



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