

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

Catalog No: BP135

Description	Recombinant Human Interleukin-2 Receptor subunit alpha is produced by our Mammalian expression system and the target gene encoding Glu22-Gln240 is expressed with an Avi and 6His tag at the C-terminus.
Expression System	Human
Alternative name	Interleukin-2 receptor subunit alpha; CD25;p55;TAC antigen;IL2-RA;IL-2R subunit alpha;IL-2-RA;IL2RA;IL-2 receptor subunit alpha
Accession No.	P01589
Predicted Molecular Weight	30.4kDa
Apparent Molecular Weight	35-66.2kDa
Quality Control	Purity: greater than 95% as determined by reducing SDS-PAGE. Endotoxin: less than 0.1 ng/μg (1 EU/μg) as determined by TAL test.
Formulation	PBS, pH 7.4
Shipping	The product is shipped on dry ice pack. Upon receipt, store it immediately at the temperature listed below.
Storage	Store at ≤-70°C, stable for 6 months after receipt. Store at ≤-70°C, stable for 3 months under sterile conditions after opening. Please minimize freeze-thaw cycles.
Background	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.

SDS-PAGE

