

Recombinant Human IL-2 R alpha/CD25 Protein, His-Avi Tag

产品信息

产品名称	产品编号	规格
Recombinant Human IL-2 R alpha/CD25 Protein, His-Avi Tag	93903ES60	100 µg
	93903ES76	500 µg

产品简介

Human IL-2 receptor alpha (IL-2 R alpha), also known as Tac antigen and as CD25, was initially identified as a 55 kDa membrane glycoprotein that is capable of binding IL-2. By itself, IL-2 R alpha binds IL-2 with low affinity.

性能参数

Synonyms	CD25; IDDM10; IL-2 R alpha; IL2R; IL2RA; p55; TCGFR
Uniprot No.	P01589
Source	Recombinant Human IL-2 R alpha/CD25 Protein is expressed from HEK293 cell with His tag and Avi tag at the C-terminal. It contains Glu22-Cys213.
Molecular Weight	The protein has a predicted MW of 24.6 kDa. Due to glycosylation, the protein migrates to 40-50 kDa based on Tris-Bis PAGE result.
Purity	> 95% as determined by SDS-PAGE and HPLC.
Endotoxin	<1.0 EU per 1µg of the protein by the LAL method.
Formulation	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 5% trehalose is added as protectant before lyophilization.
Reconstitution	Centrifuge tubes before opening. Dissolve lyophilized protein with sterile water to ensure the concentration is greater than 100 ug/mL.

储存条件

The product should be stored at -25~-15°C for 1 year from date of receipt.

2-7 days, 2~8 °C under sterile conditions after reconstitution.

3 months, -25~-15°C under sterile conditions after reconstitution.

Recommend to aliquot the protein into smaller quantities when first used and avoid repeated freeze-thaw cycles.

注意事项

1.Please operate with lab coats and disposable gloves,for your safety.

2.This product is for research use only.

产品数据

SDS-PAGE

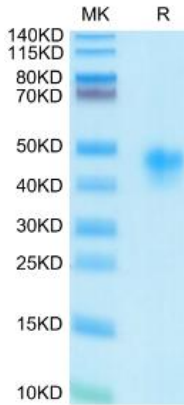


Figure 1. Human CD25 on SDS-PAGE under reduced condition. The purity is greater than 95%.

SEC-HPLC

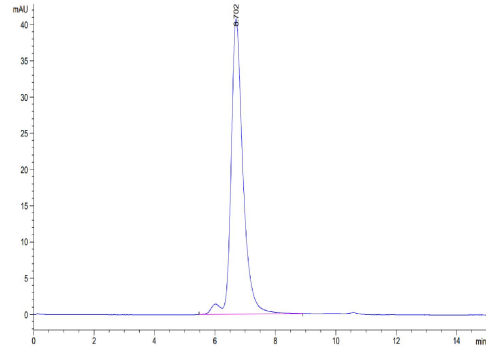


Figure 2. The purity of Human CD25 is greater than 95% as determined by SEC-HPLC.

ELISA Data

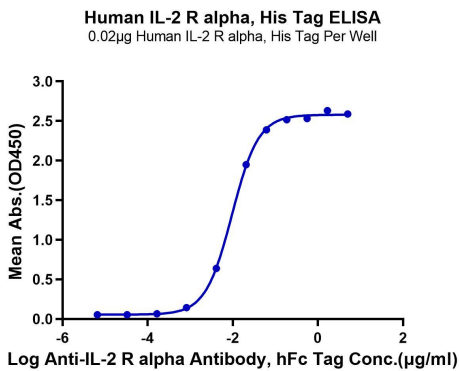


Figure 3. Immobilized Human IL-2 R alpha, His Tag at 0.2 μ g/ml (100 μ l/well) on the plate. Dose response curve for Anti-IL-2 R alpha Antibody, hFc Tag with the EC50 of 9.6ng/ml determined by ELISA.

SPR Data

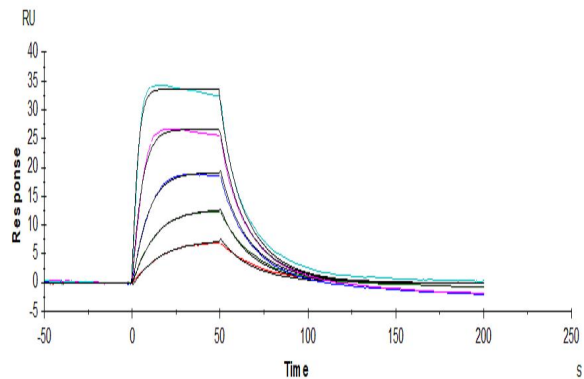


Figure 4. Human IL-2 R alpha, His Tag captured on CM5 Chip via anti-His antibody can bind Human IL-2, No Tag with an affinity constant of 15.2nM as determined in SPR assay.