

Human IL-2 R alpha/CD25 Protein

Cat. No. CD5-HM225



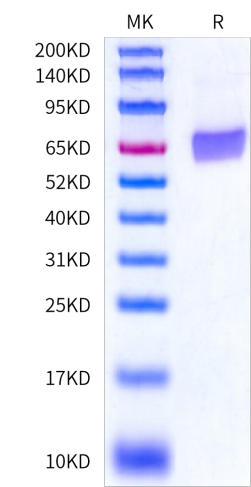
Description	
Source	Recombinant Human IL-2 R alpha/CD25 Protein is expressed from HEK293 with hFc (IgG1) tag at the C-terminus. It contains Glu22-Cys213.
Accession	P01589
Molecular Weight	The protein has a predicted MW of 47.68 kDa. Due to glycosylation, the protein migrates to 60-80 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 0.1 EU per µg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE > 95% as determined by HPLC

Formulation and Storage	
Formulation	Supplied as 0.22 µm filtered solution in PBS (pH 7.4).
Storage	Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Background	
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 IL2.eceptor for interleukin-2. The receptor is involved in the regulation of immune tolerance by controlling regulatory T cells (TREGs) activity. TREGs suppress the activation and expansion of autoreactive T-cells.	

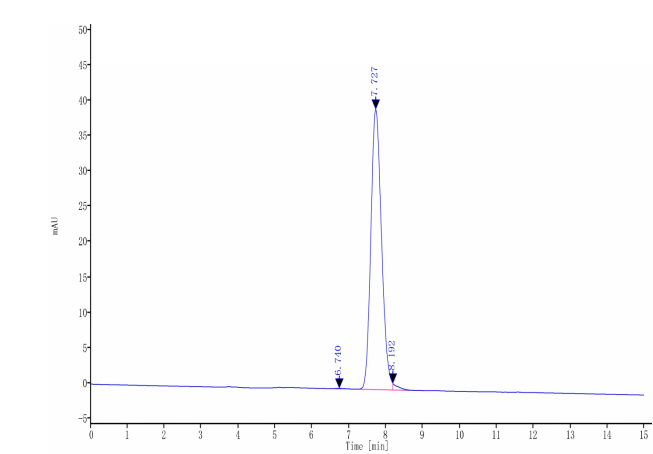
Assay Data

Bis-Tris PAGE



Human IL-2 R alpha on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

SEC-HPLC



The purity of Human IL-2 R alpha is greater than 95% as determined by SEC-HPLC.

Human IL-2 R alpha/CD25 Protein

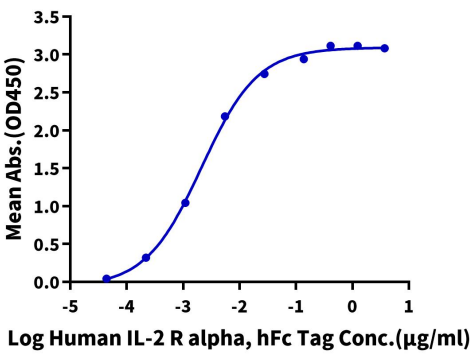
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Assay Data

ELISA Data

Human IL-2 R alpha, hFc Tag ELISA
0.1µg Human IL-2, No Tag Per Well



Immobilized Human IL-2, No Tag (Cat. IL2-HM001) at 1µg/ml (100µl/well) on the plate. Dose response curve for Human IL-2 R alpha, hFc Tag with the EC50 of 2.1ng/ml determined by ELISA.