

Human IL-5 R alpha/CD125 Protein



Cat. No. ILR-HM25R

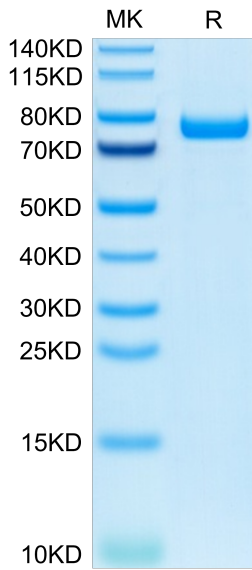
Description	
Source	Recombinant Human IL-5 R alpha/CD125 Protein is expressed from HEK293 with hFc tag at the C-Terminus. It contains Asp21-Glu335.
Accession	Q01344-1
Molecular Weight	The protein has a predicted MW of 62.6 kDa. Due to glycosylation, the protein migrates to 70-80 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 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	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Dissolve the lyophilized protein in distilled water. Please refer to the Certificate of Analysis for detailed instructions.
Storage	-20 to -80°C for 12 months as supplied from date of receipt. -80°C for 3 months after reconstitution. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Background	
Interleukin5 Receptor alpha (IL5 R alpha), also known as CD125, is a 60 kDa hematopoietin receptor that plays a dominant role in eosinophil biology. This is the receptor for interleukin-5. The alpha chain binds to IL5.	

Assay Data

Bis-Tris PAGE



Human IL-5R alpha on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

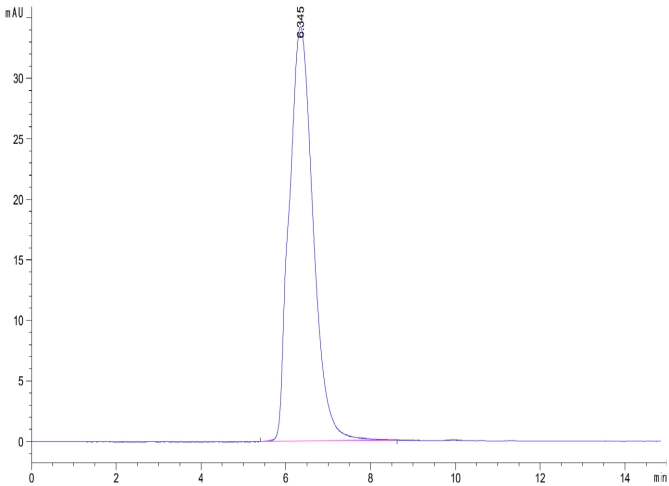
SEC-HPLC

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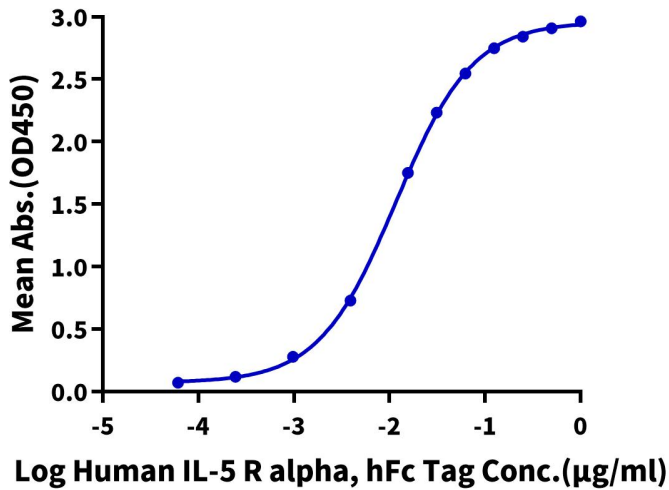
Assay Data



The purity of Human IL-5R alpha is greater than 95% as determined by SEC-HPLC.

ELISA Data

Human IL-5 R alpha, hFc Tag ELISA
0.1µg Human IL-5, His Tag Per Well



Immobilized Human IL-5, His Tag at 1µg/ml (100µl/Well) on the plate. Dose response curve for Human IL-5 R alpha, hFc Tag with the EC50 of 11.7ng/ml determined by ELISA.