Human IL-5 R alpha/CD125 Protein

Cat. No. IL5-HM22R

Description

Source	Recombinant Human IL-5 R alpha/CD125 Protein is expressed from HEK293 with hFc (IgG1) tag at the N-terminus.
	It contains Asp21-Trp342.
Accession	Q01344-1
Molecular Weight	The protein has a predicted MW of 62.73 kDa. Due to glycosylation, the protein migrates to 75-95 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
	> 90% as determined by HPLC

Formulation and Storage

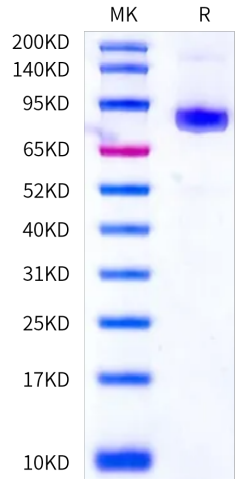
Formulation	Lyophilized from 0.22 μm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Dissolve the lyophilized protein in distilled water. Please refer to the Certificate of Analysis for detailed instructions.
Storage	-20 to -80°C for 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.

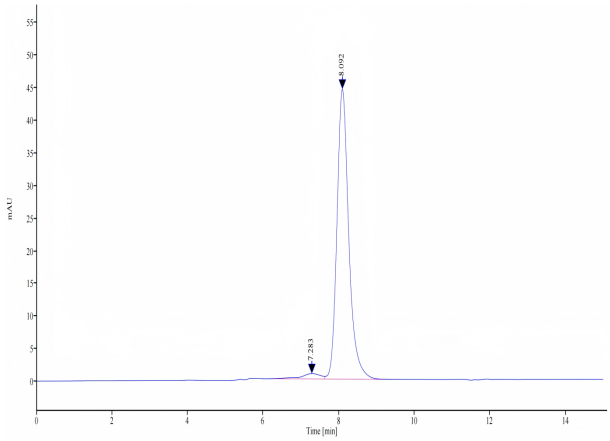
Assay Data

Bis-Tris PAGE



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

SEC-HPLC



The purity of Human IL-5 R alpha is greater than 90% as determined by SEC-HPLC.

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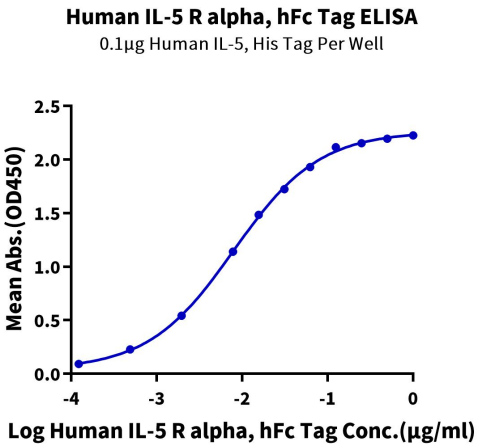
Assay Data

ELISA Data



Immobilized Human IL-5, His Tag (Cat. IL5-HM101) at 1μg/ml (100μl/well) on the plate. Dose response curve for Human IL-5 R alpha, hFc Tag with the EC50 of 8.0ng/ml determined by ELISA.