

Mouse IL-5 R alpha/CD125 Protein

Cat. No. ILR-MM15R

Description

Source	Recombinant Mouse IL-5 R alpha/CD125 Protein is expressed from Expi293 with His tag at the C-terminal. It contains Asp18-His339.
Accession	P21183
Molecular Weight	The protein has a predicted MW of 37.7 kDa. Due to glycosylation, the protein migrates to 50-60 kDa based on Tris-Bis PAGE result.
Endotoxin	Less than 1EU per µg by the LAL method.
Purity	> 95% as determined by Tris-Bis PAGE > 95% as determined by HPLC

Formulation and Storage

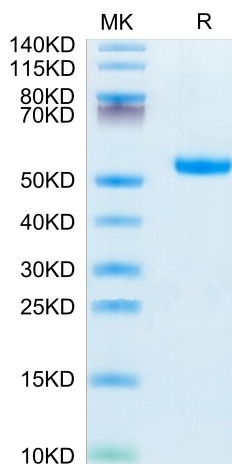
Formulation	Lyophilized from 0.22µm filtered solution in 20mM Tris, 500mM NaCl (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Centrifuge tubes before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water.
Storage	-20 to -80°C for 12 months as supplied from date of receipt. -20 to -80°C for 3-6 months in unopened state after reconstitution. 2-8°C for 2-7 days after reconstitution. Recommend to aliquot the protein into smaller quantities for optimal storage. Please avoid 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.

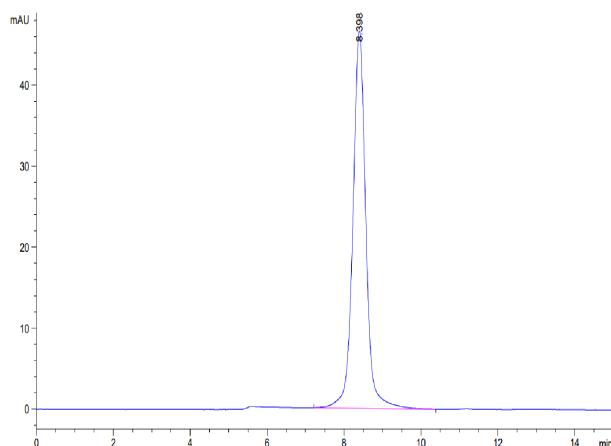
Assay Data

Tris-Bis PAGE



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

SEC-HPLC



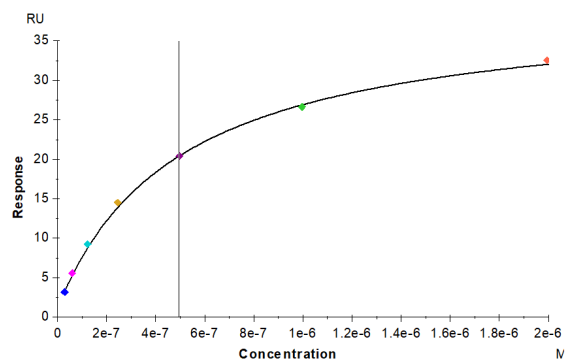
The purity of Mouse IL-5 R alpha is greater than 95% as determined by SEC-HPLC.

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Assay Data

SPR Data



Mouse IL-5 R alpha, His Tag immobilized on CM5 Chip can bind Mouse IL-5, His Tag with an affinity constant of 0.495 μ M as determined in SPR assay (Biacore T200).