

Mouse IL-5 R alpha/CD125 Protein

Cat. No. ILR-MM15R

Description

Source	Recombinant Mouse IL-5 R alpha/CD125 Protein is expressed from HEK293 with His tag at the C-Terminus. 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 Bis-Tris PAGE result.
Endotoxin	Less than 1EU per μg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE > 95% as determined by HPLC

Formulation and Storage

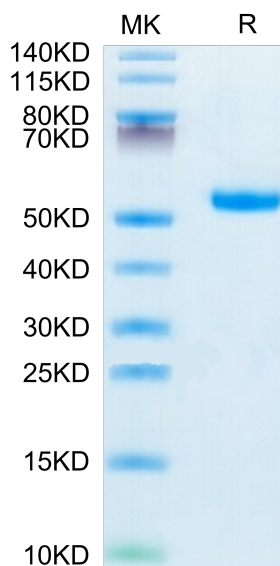
Formulation	Supplied as 0.22 μm filtered solution in 20mM Tris, 500mM NaCl (pH 7.4).
Storage	Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Background

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.

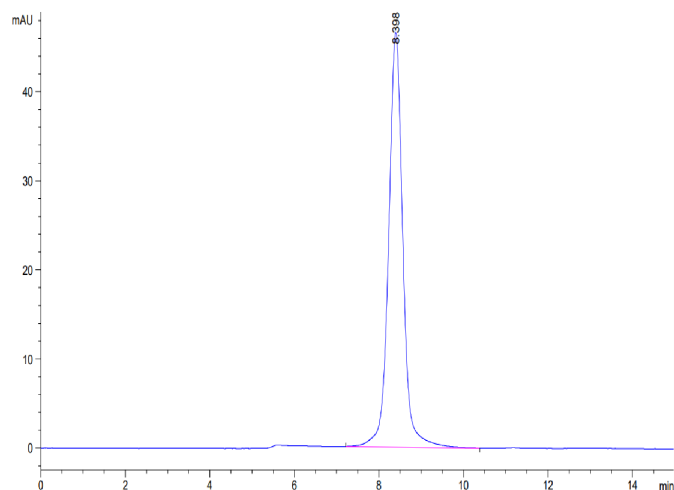
Assay Data

Bis-Tris PAGE



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

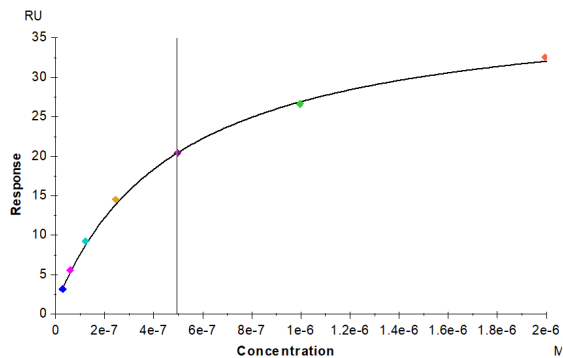
SEC-HPLC



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

SPR Data

Assay 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).