

# 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 1 EU per µg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE > 95% as determined by HPLC

## Formulation and Storage

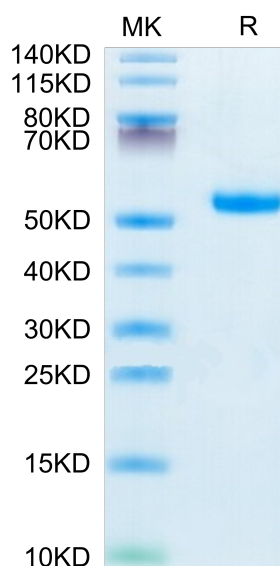
Formulation	Supplied as 0.22µm filtered solution in 20mM Tris, 500mM NaCl (pH 7.4).
Storage	Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

## 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.

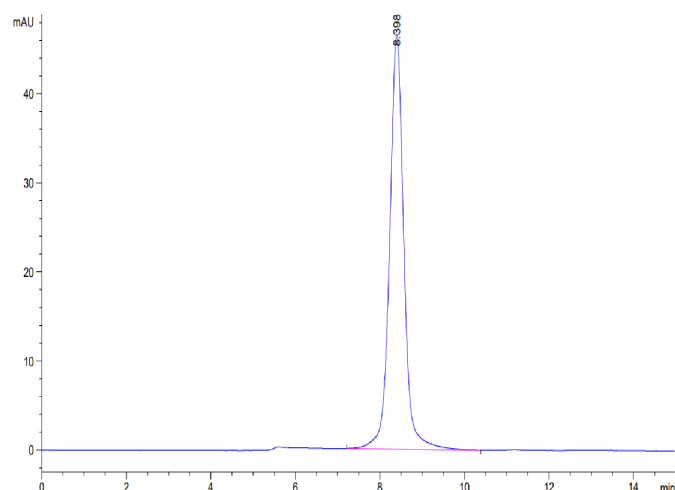
## Assay Data

### 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.

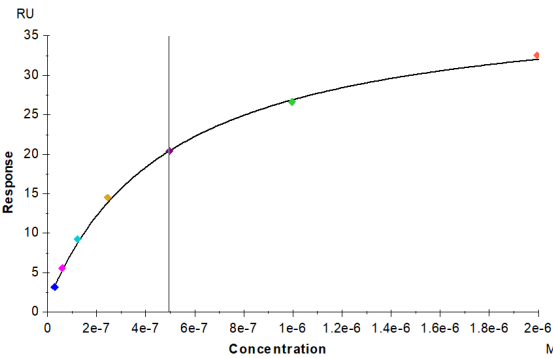
### SPR Data

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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  $\mu$ M as determined in SPR assay (Biacore T200).