

# Mouse IL-5 Protein

Cat. No. IL5-MM401

## Description

<b>Source</b>	Recombinant Mouse IL-5 Protein is expressed from HEK293 with His tag and Avi tag at the N-Terminus. It contains Met21-Gly133.
<b>Accession</b>	P04401
<b>Molecular Weight</b>	The protein has a predicted MW of 16.03 kDa. Due to glycosylation, the protein migrates to 16.03 kDa and 20-32 kDa based on Tris-Bis PAGE result.
<b>Endotoxin</b>	Less than 1EU per ug by the LAL method.
<b>Purity</b>	> 95% as determined by Tris-Bis PAGE > 95% as determined by HPLC

## Formulation and Storage

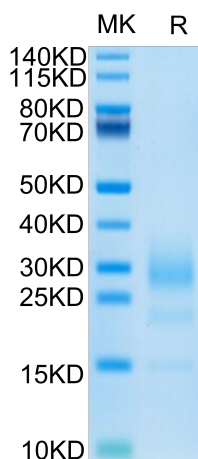
<b>Formulation</b>	Supplied as 0.22µm filtered solution in 20mM Tris, 500mM NaCl, 10% Glycerol (pH 7.0).
<b>Storage</b>	Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

## Background

IL-5 is an important cytokine for priming and survival of mature eosinophils and for proliferation and maturation of their progenitors. IL-5(Rα) targeting will be increasingly used in diseases where eosinophils are the key immune effector cells such as eosinophilic asthma (EA), hypereosinophilic syndrome (HES), eosinophilic esophagitis (EE), and eosinophilic granulomatosis with polyangiitis (EGPA).

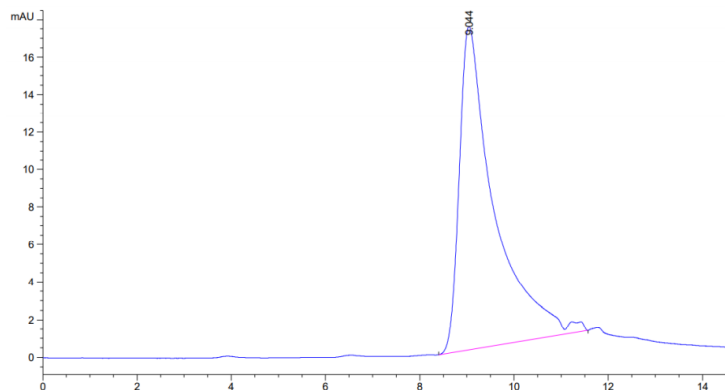
## Assay Data

### Tris-Bis PAGE



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

### SEC-HPLC



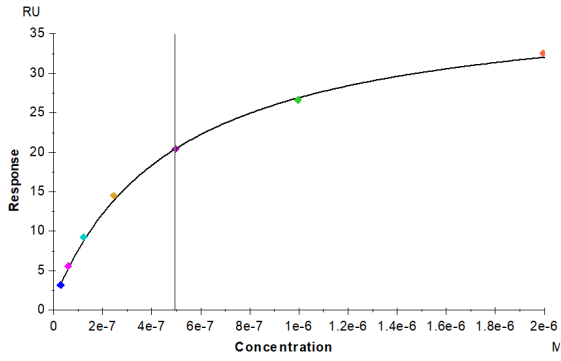
The purity of Mouse IL-5 is greater than 95% as determined by SEC-HPLC.

### SPR Data

# Mouse IL-5 Protein

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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).