

# Biotinylated Mouse IL-5 Protein

Cat. No. IL5-MM401B

## Description

<b>Source</b>	Recombinant Biotinylated 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 kDa and 20-35 kDa based on Bis-Tris PAGE result.
<b>Endotoxin</b>	Less than 1EU per ug by the LAL method.
<b>Purity</b>	> 95% as determined by Bis-Tris PAGE

## Formulation and Storage

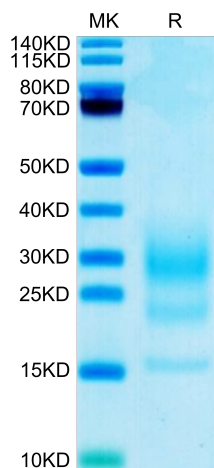
<b>Formulation</b>	Supplied as 0.22µm filtered solution in 20mM Tris, 500mM NaCl, 10% Glycerol (pH 7.0).
<b>Storage</b>	Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

## 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).

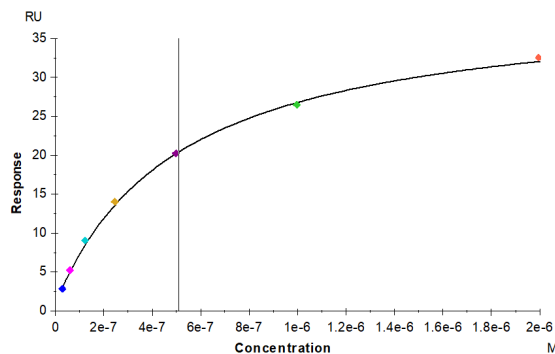
## Assay Data

### Bis-Tris PAGE



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

### SPR Data



Mouse IL-5 R alpha, His Tag immobilized on CM5 Chip can bind Biotinylated Mouse IL-5, His-Avi Tag with an affinity constant of 0.511 µM as determined in SPR assay (Biacore T200).