

Mouse IL-5 Protein

Cat. No. IL5-MM401

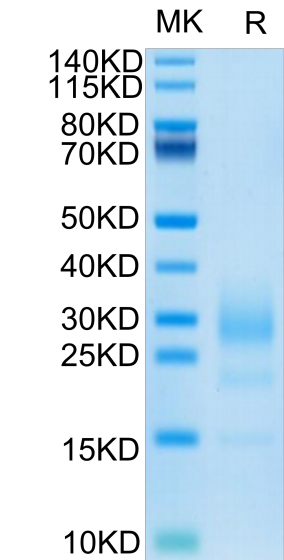


Description	
Source	Recombinant Mouse IL-5 Protein is expressed from HEK293 with His tag and Avi tag at the N-Terminus. It contains Met21-Gly133.
Accession	P04401
Molecular Weight	The protein has a predicted MW of 16.03 kDa. Due to glycosylation, the protein migrates to 16.03 kDa and 20-32 kDa based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

Formulation and Storage	
Formulation	Supplied as 0.22µm filtered solution in 20mM Tris, 500mM NaCl, 10% Glycerol (pH 7.0).
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	
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	

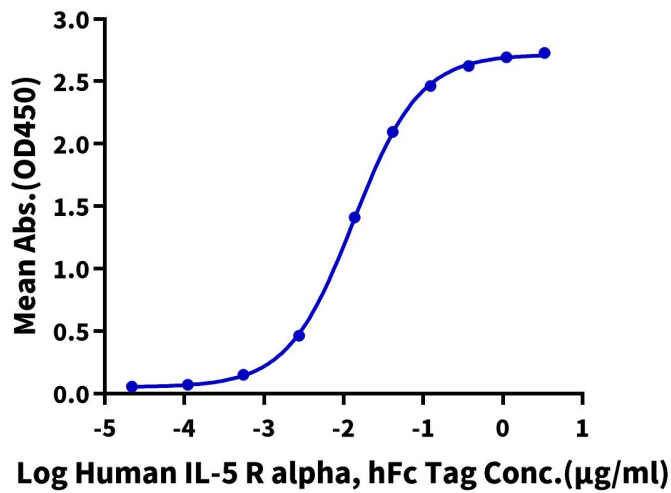


Mouse IL-5 on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

ELISA Data

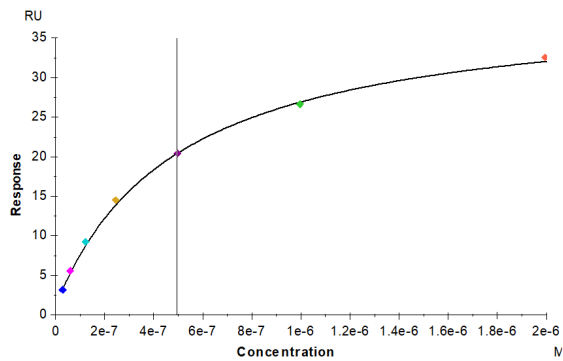
Assay Data

Mouse IL-5, His Tag ELISA
0.1µg Mouse IL-5, His Tag Per Well



Immobilized Mouse IL-5, His Tag at 1µg/ml (100µl/well) on the plate. Dose response curve for Human IL-5 R alpha, hFc Tag with the EC50 of 13.4ng/ml determined by ELISA (QC Test).

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 µM as determined in SPR assay (Biacore T200).