

Human IL-5 R alpha/CD125 Protein

Cat. No. IL5-HM22R

Description

Source	Recombinant Human IL-5 R alpha/CD125 Protein is expressed from HEK293 with hFc (IgG1) tag at the N-terminus. It contains Asp21-Trp342.
Accession	Q01344-1
Molecular Weight	The protein has a predicted MW of 62.73 kDa. Due to glycosylation, the protein migrates to 75-95 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 0.1 EU per μg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE > 90% as determined by HPLC

Formulation and Storage

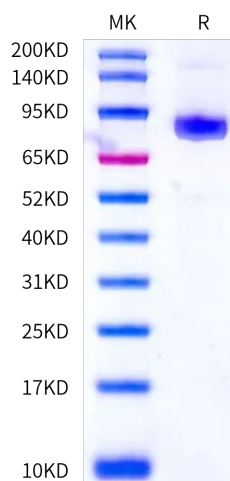
Formulation	Supplied as 0.22 μm filtered solution in PBS (pH 7.4).
Storage	Valid for 12 months from date of receipt when stored at -80°C . Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

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.

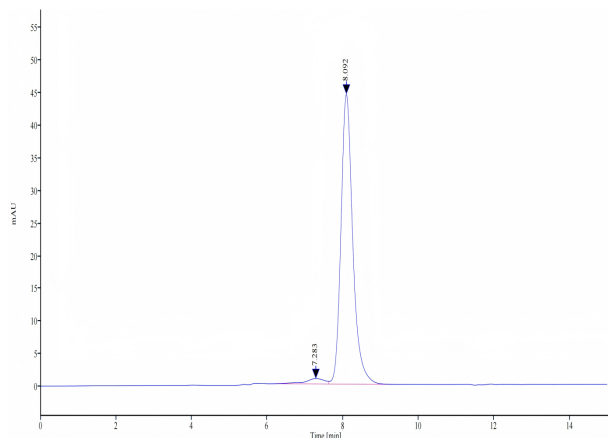
Assay Data

Bis-Tris PAGE



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

SEC-HPLC



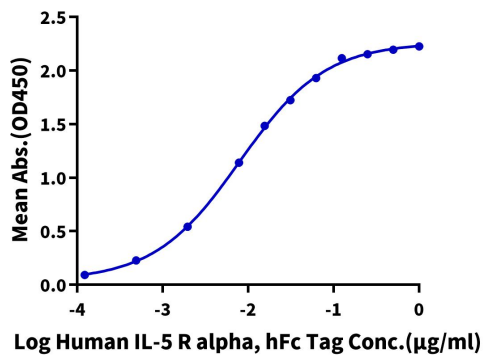
The purity of Human IL-5 R alpha is greater than 90% as determined by SEC-HPLC.

Assay Data

ELISA Data

Human IL-5 R alpha, hFc Tag ELISA

0.1µg Human IL-5, His Tag Per Well



Immobilized Human IL-5, His Tag (Cat. IL5-HM101) at 1µg/ml (100µl/well) on the plate. Dose response curve for Human IL-5 R alpha, hFc Tag with the EC50 of 8.0ng/ml determined by ELISA.