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IL5RA Protein (AA 21-335) (His-Avi Tag, Biotin)





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Quantity:	100 μg
Target:	IL5RA
Protein Characteristics:	AA 21-335
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This IL5RA protein is labelled with His-Avi Tag,Biotin.

Product Details

Purpose:	Biotinylated Human IL-5 R alpha/CD125 Protein	
Sequence:	Asp21-Glu335	
Characteristics:	Recombinant Biotinylated Human IL-5 R alpha/CD125 Protein is expressed from HEK293 with His tag and Avi tag at the C-Terminus.It contains Asp21-Glu335.	
Purity:	> 95 % as determined by Tris-Bis PAGE,> 95 % as determined by HPLC	
Sterility:	0.22 μm filtered	
Endotoxin Level:	Less than 1EU per μg by the LAL method.	
Biological Activity Comment:	Immobilized Human IL-5, His Tag at 0.5µg/ml (100µl/well) on the plate. Dose response curve for Biotinylated Human IL-5 R alpha, His Tag with the EC50 of 0.12µg/ml determined by ELISA.	
	See testing image for detail.	

Target Details	
Target:	IL5RA
Alternative Name:	IL-5 R alpha (IL5RA Products)
Background:	Interleukin-5 Receptor alpha (IL-5 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.
Molecular Weight:	38.7 kDa. Due to glycosylation, the protein migrates to 55-60 kDa based on Tris-Bis PAGE result.
Pathways:	JAK-STAT Signaling
Application Details	
Restrictions:	For Research Use only
Handling	
Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 μ g/mL is recommended. Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8 % trehalose is added as protectant before lyophilization.

-20 to -80°C for 12 months as supplied from date of receipt., -80°C for 3-6 months after

smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

reconstitution., 2-8°C for 2-7 days after reconstitution., Recommend to aliquot the protein into

-20 °C,-80 °C

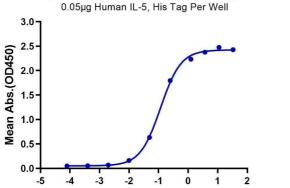
12 months

Storage:

Expiry Date:

Storage Comment:

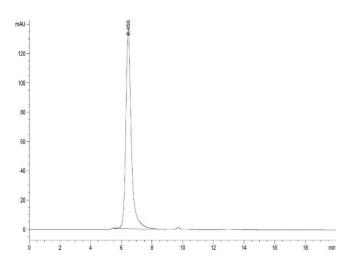
Biotinylated Human IL-5 R alpha, His Tag ELISA



ELISA

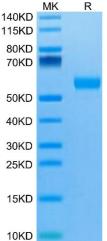
Image 1. Immobilized Human IL-5, His Tag at $0.5\,\mu\text{g/mL}$ (100 $\mu\text{L/well}$) on the plate. Dose response curve for Biotinylated Human IL-5 R alpha, His Tag with the EC50 of $0.12\,\mu\text{g/mL}$ determined by ELISA.

Log Biotinylated Human IL-5 R alpha, His Tag Conc.(µg/ml)



Size-exclusion chromatography-High Pressure Liquid Chromatography

Image 2. The purity of Biotinylated Human IL-5 R alpha/CD125 is greater than $95\,\%$ as determined by SEC-HPLC.



SDS-PAGE

Image 3. Biotinylated Human IL-5 R alpha/CD125 on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .

Please check the product details page for more images. Overall 4 images are available for ABIN7275035.