

Datasheet for ABIN7274923

IL-25 Protein (AA 33-177) (His-Avi Tag,Biotin)**3** Images[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	IL-25 (IL25)
Protein Characteristics:	AA 33-177
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This IL-25 protein is labelled with His-Avi Tag,Biotin.

Product Details

Purpose:	Biotinylated Human IL-25/IL-17E Protein
Sequence:	Tyr33-Gly177
Characteristics:	Recombinant Biotinylated Human IL-25/IL-17E Protein is expressed from HEK293 with His tag and Avi tag at the C-Terminus.It contains Tyr33-Gly177.
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-17RB, His Tag at 5µg/ml (100µl/well) on the plate. Dose response curve for Biotinylated Human IL-25, His Tag with the EC50 of 58.5ng/ml determined by ELISA. See testing image for detail.

Target Details

Target:	IL-25 (IL25)
Alternative Name:	IL-25 (IL25 Products)
Background:	IL-25, also known as IL-17E, is a member of the IL-17 cytokine family mostly produced by epithelial cells and innate immune cells. After binding to the IL-17RB/IL-17RA complex, IL-25 induces downstream signaling responses in epithelial cells and type 2 lymphocytes, which initiates, propagates, and sustains type 2 immunity. The function of IL-25 in allergic diseases such as asthma has been well established, and now also is extended to diseases such as inflammatory bowel disease and cancer.
Molecular Weight:	19.24 kDa. Due to glycosylation, the protein migrates to 25-35 kDa based on Tris-Bis PAGE result.

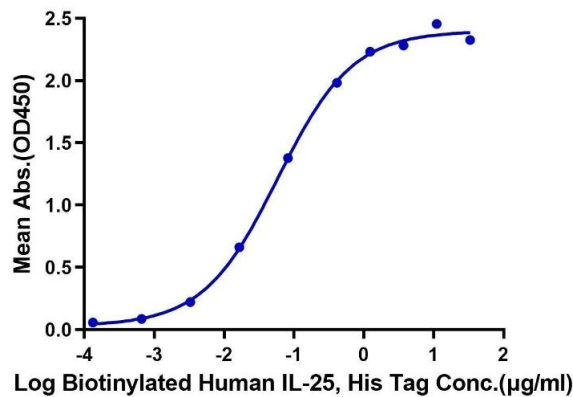
Application Details

Restrictions:	For Research Use only
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Handling

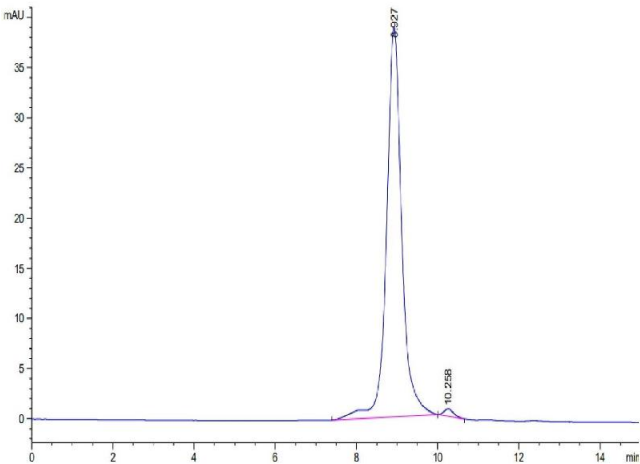
Format:	Liquid
Buffer:	Supplied as 0.22µm filtered solution in PBS (pH 7.4).
Storage:	-80 °C
Storage Comment:	Valid for 12 months from date of receipt when stored at -80°C., Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.
Expiry Date: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

Biotinylated Human IL-25, His Tag ELISA
0.5µg Human IL-17RB, His Tag Per Well



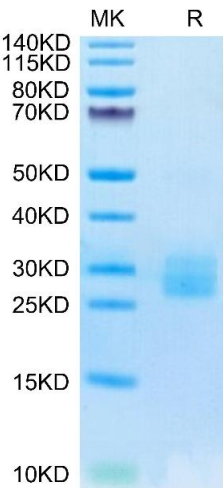
ELISA

Image 1. Immobilized Human IL-17RB, His Tag at 5 µg/mL (100 µL/well) on the plate. Dose response curve for Biotinylated Human IL-25, His Tag with the EC50 of 58.5 ng/mL determined by ELISA.



Size-exclusion chromatography-High Pressure Liquid Chromatography

Image 2. The purity of Biotinylated Human IL-25 is greater than 95 % as determined by SEC-HPLC.



SDS-PAGE

Image 3. Biotinylated Human IL-25 on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .