

Datasheet for ABIN7274994

Interleukin 17a Protein (AA 24-155) (His-Avi Tag,Biotin)[Go to Product page](#)

4 Images

Overview

Quantity:	100 µg
Target:	Interleukin 17a (IL17A)
Protein Characteristics:	AA 24-155
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Interleukin 17a protein is labelled with His-Avi Tag,Biotin.

Product Details

Purpose:	Biotinylated Human IL-17A/CTLA-8 Protein
Sequence:	Gly24-Ala155
Characteristics:	Recombinant Biotinylated Human IL-17A/CTLA-8 Protein is expressed from HEK293 with His tag and Avi tag at the C-Terminus.It contains Gly24-Ala155.
Purity:	> 95 % as determined by Tris-Bis PAGE
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.
Biological Activity Comment:	Immobilized Biotinylated Human IL-17A, His Tag at 2µg/ml (100µl/well) on the streptavidin precoated plate (5µg/ml). Dose response curve for Human IL-17R alpha, hFc Tag with the EC50 of 27.0ng/ml determined by ELISA. The affinity constant of 2.18 nM as determined in SPR assay (Biacore T200). See testing image for detail.

Target Details

Target:	Interleukin 17a (IL17A)
Alternative Name:	IL-17A (IL17A Products)
Background:	Interleukin-17A (IL-17A), also known as CTLA-8, is a 15-20 kDa glycosylated cytokine that plays an important role in anti-microbial and chronic inflammation. The six IL-17 cytokines (IL-17A-F) are encoded by separate genes but adopt a conserved cystine knot fold. IL-17A is a ligand for IL17RA and IL17RC. The heterodimer formed by IL17A and IL17F is a ligand for the heterodimeric complex formed by IL17RA and IL17RC. Involved in inducing stromal cells to produce proinflammatory and hematopoietic cytokines.
Molecular Weight:	18.2 kDa. Due to glycosylation, the protein migrates to 16-30 kDa based on Tris-Bis PAGE result.

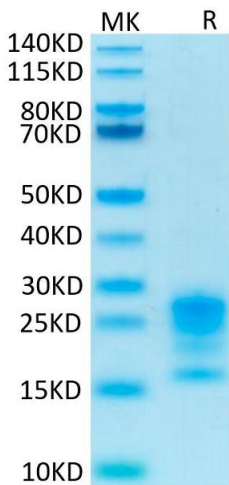
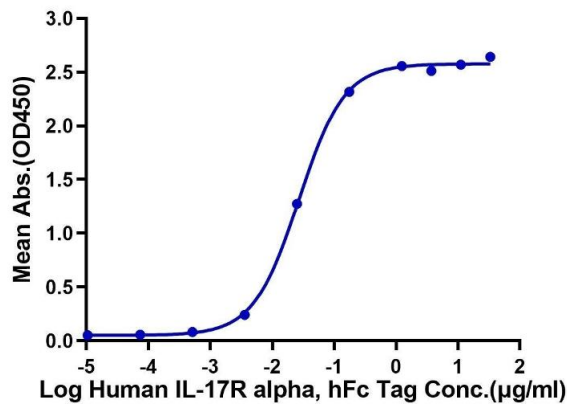
Application Details

Restrictions:	For Research Use only
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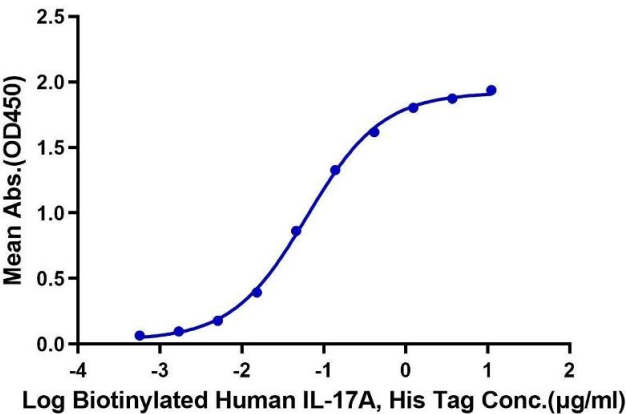
Handling

Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/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.
Storage:	-20 °C,-80 °C
Storage Comment:	-20 to -80°C for 12 months as supplied from date of receipt., -80°C for 3-6 months after reconstitution., 2-8°C for 2-7 days after reconstitution., Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.
Expiry Date:	12 months

Biotinylated Human IL-17A, His Tag ELISA
0.2µg Biotinylated Human IL-17A, His Tag Per Well



Biotinylated Human IL-17A, His Tag ELISA
0.5µg Human IL-17R alpha, His Tag Per Well



ELISA

Image 1. Immobilized Biotinylated Human IL-17A, His Tag at 2 µg/mL (100 µL/well) on the streptavidin precoated plate (5 µg/mL). Dose response curve for Human IL-17R alpha, hFc Tag with the EC50 of 27.0 ng/mL determined by ELISA.

SDS-PAGE

Image 2. Biotinylated Human IL-17A on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .

ELISA

Image 3. Immobilized Human IL-17R alpha, His Tag at 5 µg/mL (100 µL/Well) on the plate. Dose response curve for Biotinylated Human IL-17A, His Tag with the EC50 of 62.3 ng/mL determined by ELISA.

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN7274994.