

Datasheet for ABIN7274990

Interleukin 17a Protein (AA 24-155) (His-Avi Tag)**3** Images[Go to Product page](#)

Overview

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

Product Details

Purpose:	Cynomolgus IL-17A/CTLA-8 Protein
Sequence:	Gly24-Ala155
Characteristics:	Recombinant Cynomolgus 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, > 92 % as determined by HPLC
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.
Biological Activity Comment:	Immobilized Cynomolgus IL-17A, His Tag at 1µg/ml (100µl/well) on the plate. Dose response curve for Anti-IL-17A Antibody, hFc Tag with the EC50 of 31.4ng/ml determined by ELISA. See testing image for detail.

Target Details

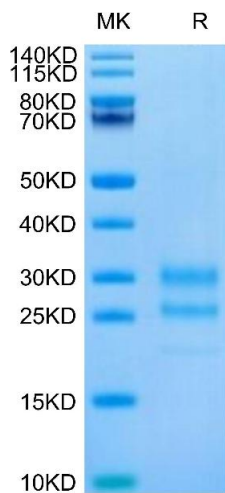
Target:	Interleukin 17a (IL17A)
Alternative Name:	IL-17A (IL17A Products)
Background:	Interleukin-17A (IL-17A), also known as CTLA-8, is a 15-20 kDa glycosylated cytokine that plays an important role in anti-microbial and chronic inflammation. The six IL-17 cytokines (IL-17A-F) are encoded by separate 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 26-32 kDa based on Tris-Bis PAGE result.
NCBI Accession:	XP_005552816

Application Details

Restrictions:	For Research Use only
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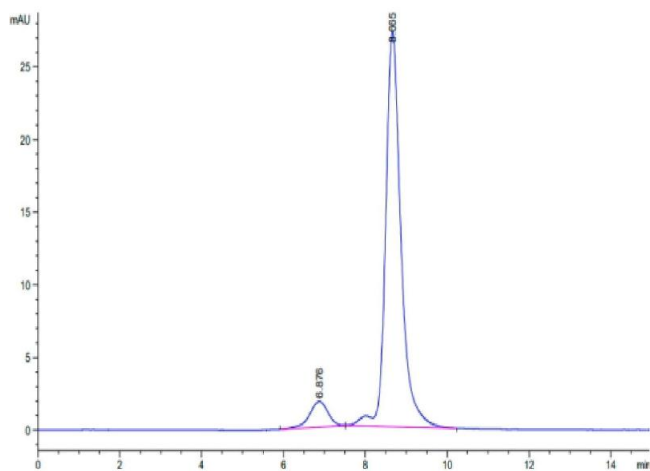
Handling

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



SDS-PAGE

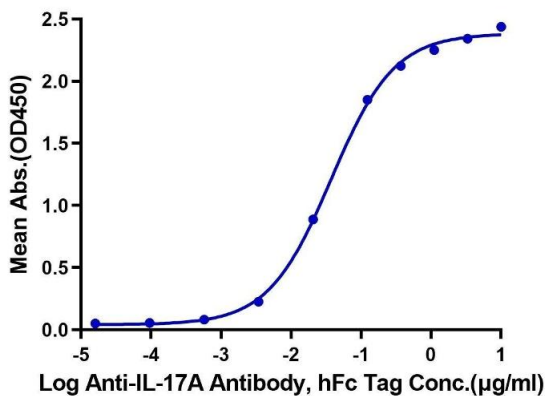
Image 1. Cynomolgus IL-17A on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .



Size-exclusion chromatography-High Pressure Liquid Chromatography

Image 2. The purity of Cynomolgus IL-17A is greater than 92 % as determined by SEC-HPLC.

Cynomolgus IL-17A, His Tag ELISA
0.1µg Cynomolgus IL-17A, His Tag Per Well



ELISA

Image 3. Immobilized Cynomolgus IL-17A, His Tag at 1 µg/mL (100 µL/well) on the plate. Dose response curve for Anti-IL-17A Antibody, hFc Tag with the EC50 of 31.4 ng/mL determined by ELISA.