

Datasheet for ABIN7274969

IL-17A/F Protein (AA 26-158) (His-Avi Tag,Biotin)



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3 Images

Overview

Quantity:	100 µg
Target:	IL-17A/F
Protein Characteristics:	AA 26-158
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This IL-17A/F protein is labelled with His-Avi Tag,Biotin.

Product Details

Purpose:	Biotinylated Mouse IL-17A & F Protein
Sequence:	Ala26-Ala158 (IL-17A) & Arg29-Ala161 (IL-17F)
Specificity:	Uni-Prot: Q62386 (IL-17A), Q7TNI7-1 (IL-17F)
Characteristics:	Recombinant Biotinylated Mouse IL-17A & F Protein is expressed from HEK293 with His tag and Avi tag at the C-Terminus.It contains Ala26-Ala158(IL-17A) & Arg29-Ala161(IL-17F).
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 Mouse IL-17R alpha, hFc Tag at 2µg/ml (100µl/well) on the plate. Dose response curve for Biotinylated Mouse IL-17A&F, His Tag with the EC50 of 17.7ng/ml determined by ELISA. See testing image for detail.

Target Details

Target:	IL-17A/F
Alternative Name:	IL-17A&F (IL-17A/F 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:	17.9 kDa(IL-17A)&14.9 kDa(IL-17F). Due to glycosylation, the protein migrates to 22-25 kDa&27-30 kDa based on Tris-Bis PAGE result.
UniProt:	Q62386

Application Details

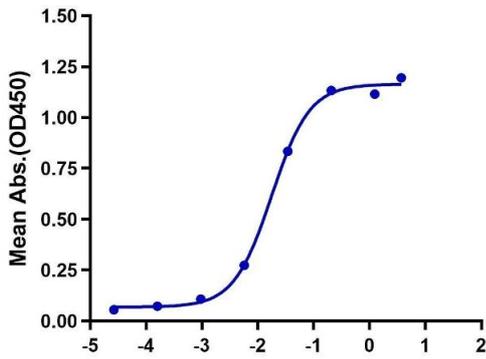
Restrictions:	For Research Use only
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Handling

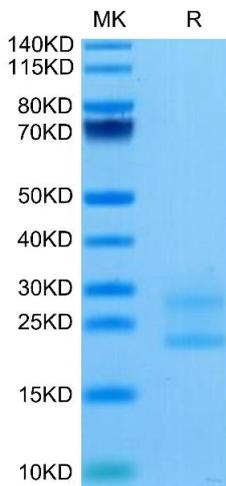
Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/mL is recommended. Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8 % trehalose is added as protectant 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 Mouse IL-17A&F, His Tag ELISA

0.2µg Mouse IL-17R alpha, hFc Tag Per Well



Log Biotinylated Mouse IL-17A&F, His Tag Conc.(µg/ml)

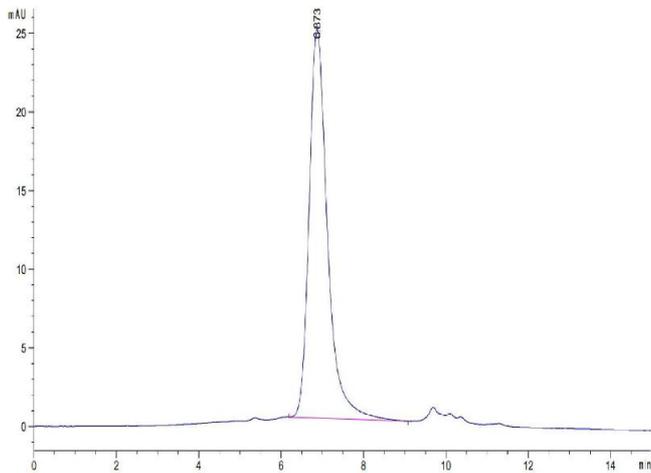


ELISA

Image 1. Immobilized Mouse IL-17R alpha, hFc Tag at 2 µg/mL (100 µL/well) on the plate. Dose response curve for Biotinylated Mouse IL-17A&F, His Tag with the EC50 of 17.7 ng/mL determined by ELISA.

SDS-PAGE

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



Size-exclusion chromatography-High Pressure Liquid Chromatography

Image 3. The purity of Biotinylated Mouse IL-17A&F is greater than 95 % as determined by SEC-HPLC.