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Datasheet for ABIN7275003
IL-17A/F Protein (His-Avi Tag,Biotin)

2 Images

Overview

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

Product Details

Sequence:	Gly24-Ala155(IL-17A) & Arg31-Gln163(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 Biotinylated Human IL-17A&F, His Tag at 1µg/ml (100µl/Well) on the plate. Dose response curve for Human IL-17R alpha, hFc Tag with the EC50 of 0.19µg/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:	IL-17A,Interleukin-17A,CTLA-8,IL-17,IL-17F,IL24,ML-1,Interleukin-17F,Interleukin-17A (IL-17A), also known as CTLA-8, is a 15-20 kDa glycosylated cytokine that plays an important role in anti-

Target Details

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: 15.1 kDa (IL-17A)&17.5 kDa (IL-17F). Due to glycosylation, the protein migrates to 16 kDa&27 kDa based on Tris-Bis PAGE result.

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

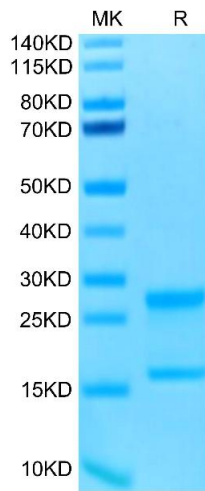
Reconstitution: Centrifuge tubes before opening. Reconstituting to a concentration more than 100 µg/mL is recommended (usually we use 1 mg/mL solution for lyophilization). Dissolve the lyophilized protein in distilled water.

Buffer: Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 5 % trehalose is added as protectant before lyophilization.

Storage: 4 °C,-80 °C

Storage Comment: Reconstituted protein stable at -80°C for 12 months, 4°C for 1 week. Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

Expiry Date: 12 months

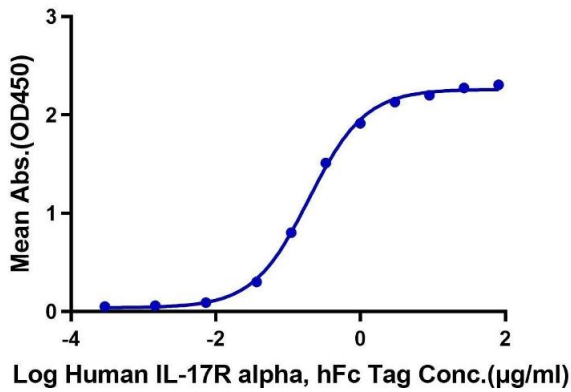


SDS-PAGE

Image 1. Biotinylated Human IL-17A&F on Tris-Bis PAGE under reduced conditions. The purity is greater than 95 % .

Biotinylated Human IL-17A&F, His Tag ELISA

0.1µg Biotinylated Human IL-17A&F, His Tag Per Well



ELISA

Image 2. Immobilized Biotinylated Human IL-17A&F, His Tag at 1 µg/mL (100 µL/Well) on the plate. Dose response curve for Human IL-17R alpha, hFc Tag with the EC50 of 0.19 µg/mL determined by ELISA.