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Interleukin 17a Protein (AA 24-155) (His tag)



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 tag.

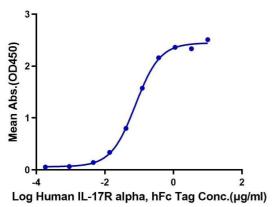
Product Details

Purpose:	Human IL-17A/CTLA-8 Protein
Sequence:	Gly24-Ala155
Characteristics:	Recombinant Human IL-17A/CTLA-8 Protein is expressed from HEK293 with His tag at the C-Terminus.It contains Gly24-Ala155.
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-17A, His Tag at 0.5µg/ml (100µl/well) on the plate. Dose response curve for Human IL-17R alpha, hFc Tag with the EC50 of 78.0ng/ml determined by ELISA. The affinity constant of 1.57nM as determined in SPR assay (Biacore T200). See testing image for detail.

Target Details

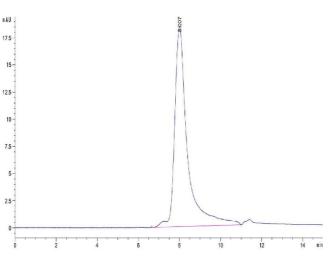
Target:	Interleukin 17a (IL17A)	
Alternative Name:	IL-17A (IL17A Products)	
Background:	Interleukin-17A (IL-17A), also known as CTLA-8, is a 15-20 kDa glycosylated cytokine that plays	
	an important role in anti-microbial and chronic inflammation. The six IL-17 cytokines (IL-17A-F)	
	are encoded by separate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

Human IL-17A, His Tag ELISA 0.05μg Human IL-17A, His Tag Per Well



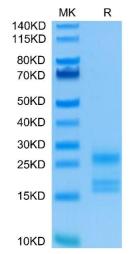
ELISA

Image 1. Immobilized Human IL-17A, His Tag at $0.5 \,\mu g/mL$ (100 $\,\mu L/well$) on the plate. Dose response curve for Human IL-17R alpha, hFc Tag with the EC50 of $78.0 \,ng/mL$ determined by ELISA.



Size-exclusion chromatography-High Pressure Liquid Chromatography

Image 2. The purity of Human IL-17A is greater than 95 % as determined by SEC-HPLC.



SDS-PAGE

 $\label{eq:mage 3.} \textbf{Image 3.} \ \textbf{Human IL-17A on Tris-Bis PAGE under reduced} \\ \textbf{condition.} \ \textbf{The purity is greater than 95 \%} \ .$

Please check the product details page for more images. Overall 5 images are available for ABIN7274991.