

Datasheet for ABIN7274223
IL17RA Protein (AA 33-320) (His tag)

3 Images

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Overview

Quantity:	100 µg
Target:	IL17RA
Protein Characteristics:	AA 33-320
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This IL17RA protein is labelled with His tag.

Product Details

Purpose:	Human IL-17R alpha/CD217 Protein
Sequence:	Leu33-Trp320
Characteristics:	Recombinant Human IL-17R alpha/CD217 Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Leu33-Trp320.
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:	The affinity constant of 1.57 nM as determined in SPR assay (Biacore T200). See testing image for detail.

Target Details

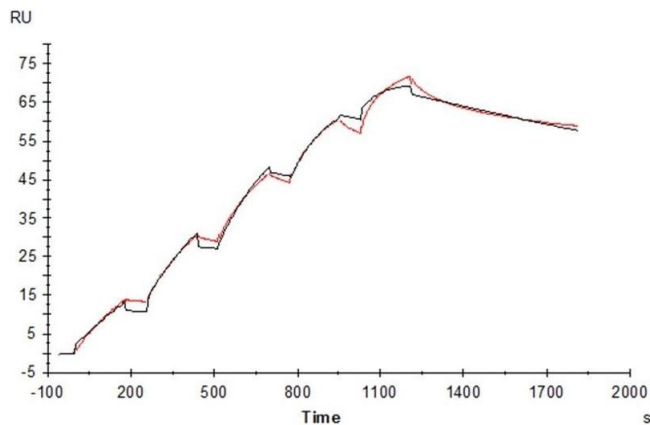
Target:	IL17RA
Alternative Name:	IL-17R alpha (IL17RA Products)
Background:	Interleukin 17 (also known as CTLA-8) is a T cell-expressed pleotropic cytokine. IL-17 binds to IL-17 receptor (IL-17 R) which shares no homology with any known family of receptors. While the expression of IL-17 is restricted to activated T cells, the IL-17 R mRNA exhibits a broad tissue distribution, and has been detected in virtually all cells and tissues tested. The human IL-17 R gene was localized to chromosome 22.
Molecular Weight:	34.6 kDa. Due to glycosylation, the protein migrates to 60-70 kDa based on Tris-Bis PAGE result.
Pathways:	SARS-CoV-2 Protein Interactome

Application Details

Restrictions:	For Research Use only
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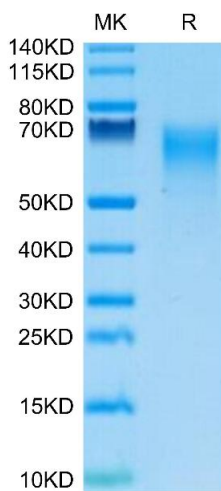
Handling

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



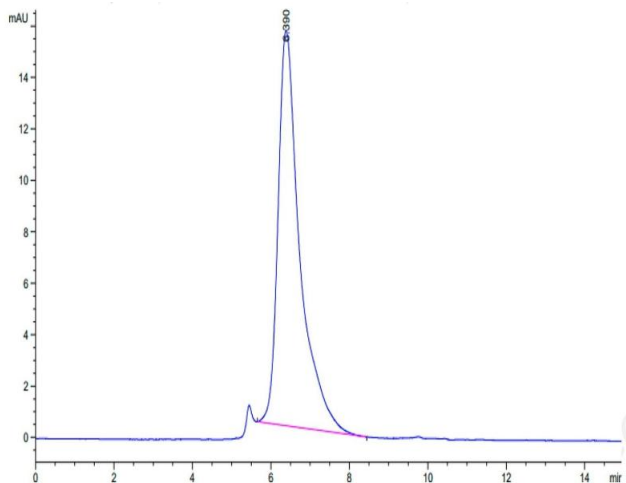
Surface Plasmon Resonance

Image 1. Human IL-17R alpha, His Tag immobilized on CM5 Chip can bind Human IL-17A, His Tag with an affinity constant of 1.57 nM as determined in SPR assay (Biacore T200).



SDS-PAGE

Image 2. Human IL-17R alpha/CD217 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 Human IL-17R alpha/CD217 is greater than 95 % as determined by SEC-HPLC.