Human IL-17R alpha/CD217 Protein

Cat. No. CD7-HM1RA

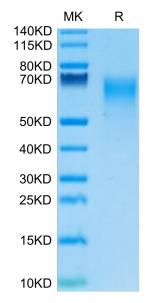


Description	
Source	Recombinant Human IL-17R alpha/CD217 Protein is expressed from HEK293 with His tag at the C-Terminus.
	It contains Leu33-Trp320.
Accession	Q96F46-1
Molecular Weight	The protein has a predicted MW of 34.6 kDa. Due to glycosylation, the protein migrates to 60-70 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 1EU per ug by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE
	> 95% as determined by HPLC
Formulation and Storage	
Formulation	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water.
Storage	-20 to -80°C for 12 months as supplied from date of receipt80°C for 3 months after reconstitution.Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.
Background	
	Interleukin 17 (also known as CTLA8) is a T cellexpressed pleotropic cytokine. IL17 binds to IL17 receptor (IL17

R) which shares no homology with any known family of receptors. While the expression of IL17 is restricted to activated T cells, the IL17 R mRNA exhibits a broad tissue distribution, and has been detected in virtually all cells

and tissues tested. The human IL17 R gene was localized to chromosome 22. Assay Data

Bis-Tris PAGE

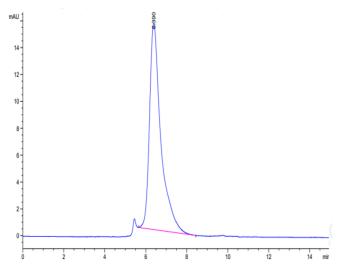


Human IL-17R alpha on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

SEC-HPLC

KAGTUS

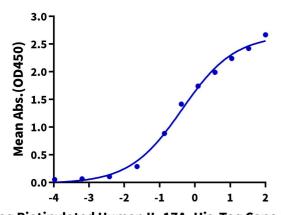
Assay Data



The purity of Human IL-17R alpha is greater than 95% as determined by SEC-HPLC.

ELISA Data

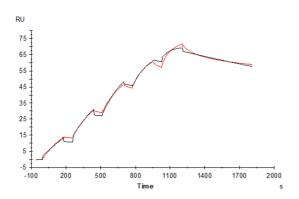
Human IL-17R alpha, His Tag ELISA 0.5μg Human IL-17R alpha, His Tag Per Well



 $Log \ Biotinylated \ Human \ IL-17A, \ His \ Tag \ Conc. (\mu g/ml)$

Immobilized Human IL-17R alpha, His Tag at $5\mu g/ml$ (100 $\mu l/well$) on the plate. Dose response curve for Biotinylated Human IL-17A, His Tag with the EC50 of 0.44 $\mu g/ml$ determined by ELISA (QC Test).

SPR Data



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).