

Biotinylated Human IL-17R alpha/CD217 Protein

Cat. No. IL1-HM5RAB

Description	
Source	Recombinant Biotinylated Human IL-17R alpha/CD217 Protein is expressed from HEK293 with hFc tag and Avi tag at the C-Terminus. It contains Leu33-Trp320.
Accession	Q96F46-1
Molecular Weight	The protein has a predicted MW of 61.8 kDa. Due to glycosylation, the protein migrates to 78-100 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 1EU per µg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE > 95% as determined by HPLC

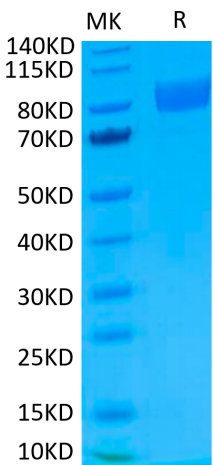
Formulation and Storage	
Formulation	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water.
Storage	-20 to -80°C for 12 months as supplied from date of receipt. -80°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 cell expressed 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.

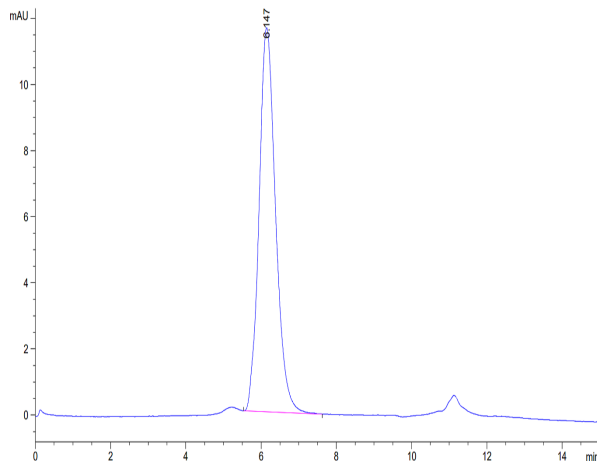
Assay Data

Bis-Tris PAGE



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

SEC-HPLC



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

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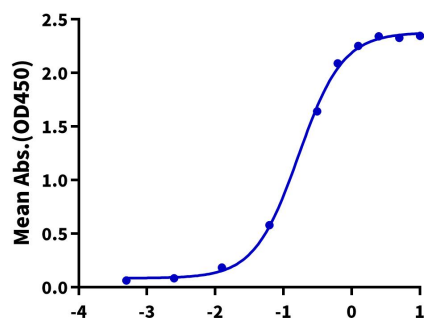


Assay Data

ELISA Data

Biotinylated Human IL-17R alpha, hFc-Avi Tag ELISA

0.1µg Human IL-17A, His Tag Per Well



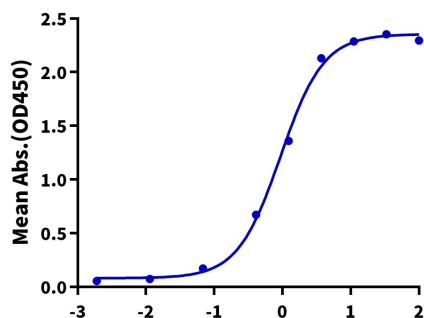
Log Biotinylated Human IL-17R alpha, hFc-Avi Tag Conc. (µg/ml)

Immobilized Human IL-17A, His Tag at 1µg/ml (100µl/well) on the plate. Dose response curve for Biotinylated Human IL-17R alpha, hFc-Avi Tag with the EC50 of 0.17µg/ml determined by ELISA (QC Test).

ELISA Data

Biotinylated Human IL-17R alpha, hFc Tag ELISA

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



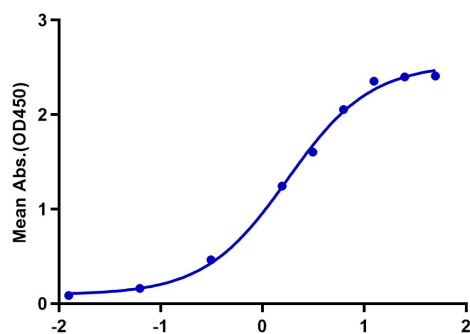
Log Biotinylated Human IL-17R alpha, hFc Tag Conc. (µg/ml)

Immobilized Human IL-17A&F, His Tag at 1µg/ml (100µl/well) on the plate. Dose response curve for Biotinylated Human IL-17R alpha, hFc Tag with the EC50 of 0.94µg/ml determined by ELISA.

ELISA Data

Biotinylated Human IL-17R alpha, hFc Tag ELISA

0.5µg Human IL-17F, His Tag Per Well



Log Biotinylated Human IL-17R alpha, hFc Tag Conc. (µg/ml)

Immobilized Human IL-17F, His Tag at 5µg/ml (100µl/well) on the plate. Dose response curve for Biotinylated Human IL-17R alpha, hFc Tag with the EC50 of 1.76µg/ml determined by ELISA.