

# Mouse IL-17R alpha/CD217 Protein

Cat. No. CD7-MM2RA

## Description

<b>Source</b>	Recombinant Mouse IL-17R alpha/CD217 Protein is expressed from HEK293 with hFc tag at the C-Terminus. It contains Ser32-Trp322.
<b>Accession</b>	Q60943
<b>Molecular Weight</b>	The protein has a predicted MW of 60.1 kDa. Due to glycosylation, the protein migrates to 95-110 kDa based on Bis-Tris PAGE result.
<b>Endotoxin</b>	Less than 1EU per ug by the LAL method.
<b>Purity</b>	> 95% as determined by Bis-Tris PAGE > 95% as determined by HPLC

## Formulation and Storage

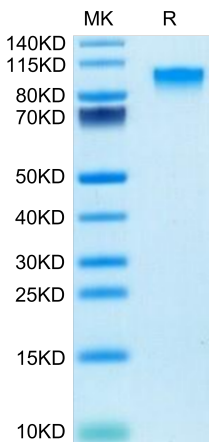
<b>Formulation</b>	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
<b>Reconstitution</b>	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water.
<b>Storage</b>	-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 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.

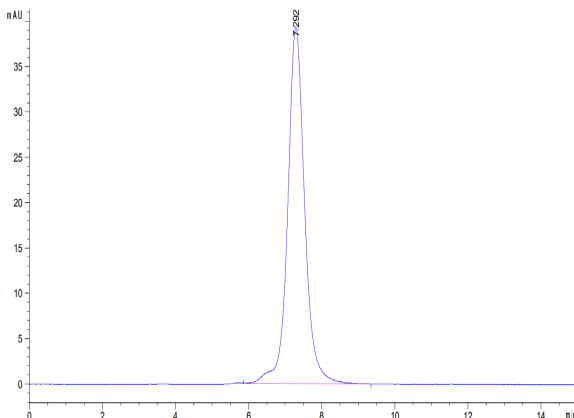
## Assay Data

### Bis-Tris PAGE



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

### SEC-HPLC



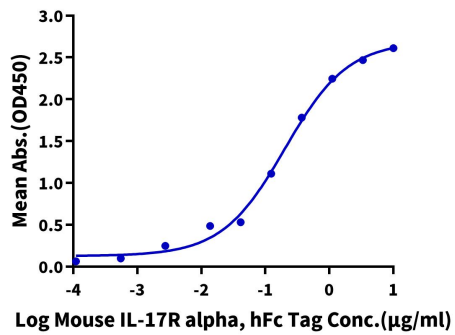
The purity of Mouse IL-17R alpha is greater than 95% as determined by SEC-HPLC.

Assay Data

ELISA Data

Mouse IL-17R alpha, hFc Tag ELISA

0.1µg Mouse IL-17F, His Tag Per Well



Immobilized Mouse IL-17F, His Tag at 1µg/ml (100µl/Well) on the plate. Dose response curve for Mouse IL-17R alpha, hFc Tag with the EC50 of 0.2µg/ml determined by ELISA.