

# Human IL-17B Protein

Cat. No. IL7-HM27B



## Description

<b>Source</b>	Recombinant Human IL-17B Protein is expressed from HEK293 with hFc tag at the C-Terminus. It contains Gln21-Phe180.
<b>Accession</b>	Q9UHF5
<b>Molecular Weight</b>	The protein has a predicted MW of 44.91 kDa. Due to glycosylation, the protein migrates to 50-60 kDa based on Tris-Bis PAGE result.
<b>Endotoxin</b>	Less than 1EU per µg by the LAL method.
<b>Purity</b>	> 95% as determined by Tris-Bis PAGE > 95% as determined by HPLC

## Formulation and Storage

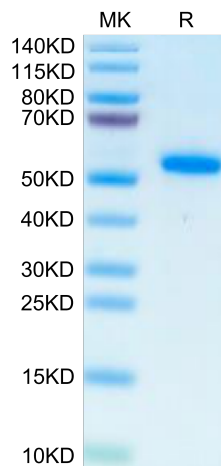
<b>Formulation</b>	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
<b>Reconstitution</b>	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water.
<b>Storage</b>	-20 to -80°C for 12 months as supplied from date of receipt. -20 to -80°C for 3-6 months in unopened state 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.

## Background

IL-17A, the prototypic member of the IL-17 family, several experimental findings strongly support the role of the IL-17B/IL-17 receptor B (IL-17RB) pathway in tumorigenesis and resistance to anticancer therapies. IL-17B/IL-17RB expression patterns and biological activities in cancer and highlight issues that remain to be addressed to better characterize IL-17B and its receptor as potential targets for enhancing the effectiveness of the existing cancer therapies.

## Assay Data

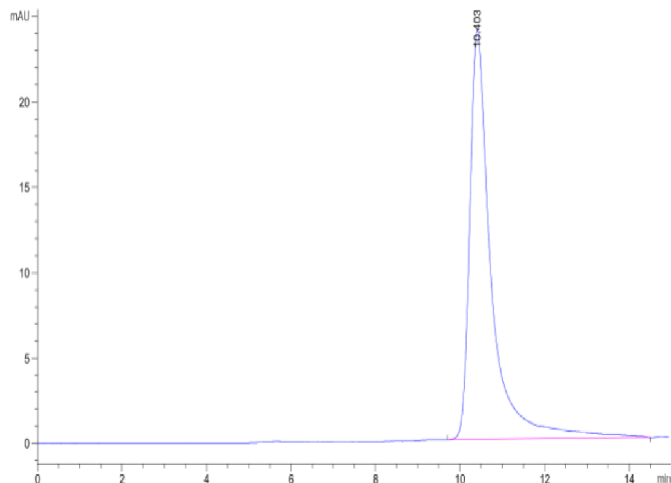
### Tris-Bis PAGE



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

### SEC-HPLC

Assay Data

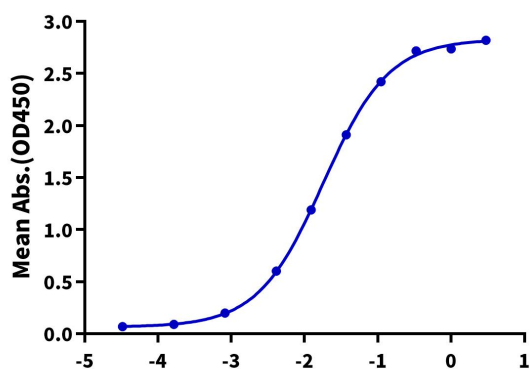


The purity of Human IL-17B is greater than 95% as determined by SEC-HPLC.

ELISA Data

**Human IL-17B, hFc Tag ELISA**

0.05µg Human IL-17B, hFc Tag Per Well



Immobilized Human IL-17B, hFc Tag at 0.5µg/ml (100µl/well) on the plate. Dose response curve for Biotinylated Anti-IL-17B Antibody, hFc Tag with the EC50 of 18.0ng/ml determined by ELISA.