

# Human PD-L1/B7-H1 Protein

Cat. No. PDL-HM610

## Description

<b>Source</b>	Recombinant Human PD-L1/B7-H1 Protein is expressed from HEK293 with Llama Fc tag at the C-terminus. It contains Phe19-Arg238.
<b>Accession</b>	Q9NZQ7-1
<b>Molecular Weight</b>	The protein has a predicted MW of 52.50 kDa. Due to glycosylation, the protein migrates to 65-75 kDa based on Bis-Tris PAGE result.
<b>Endotoxin</b>	Less than 1EU per µg by the LAL method.
<b>Purity</b>	> 95% as determined by Bis-Tris PAGE > 95% as determined by HPLC

## Formulation and Storage

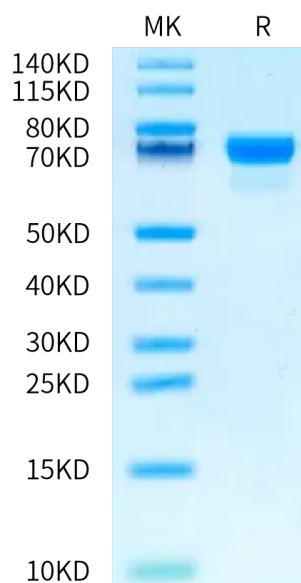
<b>Formulation</b>	Supplied as 0.22 µm filtered solution in PBS (pH 7.4).
<b>Storage</b>	Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

## Background

B7-H1, also known as PD-L1 and CD274, is an approximately 65 kDa transmembrane glycoprotein in the B7 family of immune regulatory molecules. PD-L1 has been identified as the ligand for the immunoinhibitory receptor programmed death-1 (PD1/PDCD1) and has been demonstrated to play a role in the regulation of immune responses and peripheral tolerance.

## Assay Data

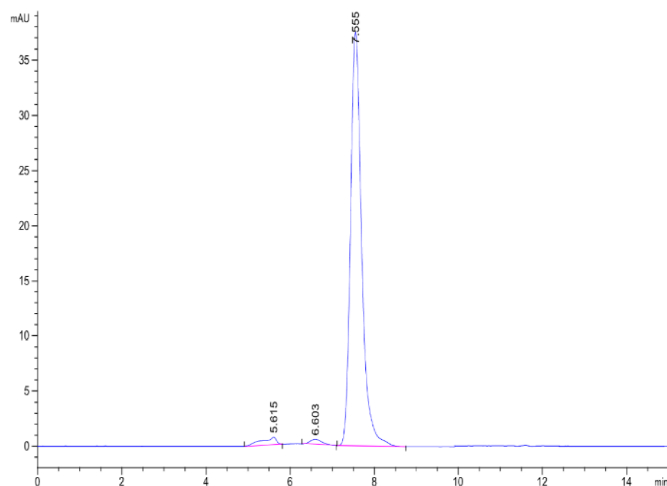
### Bis-Tris PAGE



Human PD-L1 on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

### SEC-HPLC

Assay Data

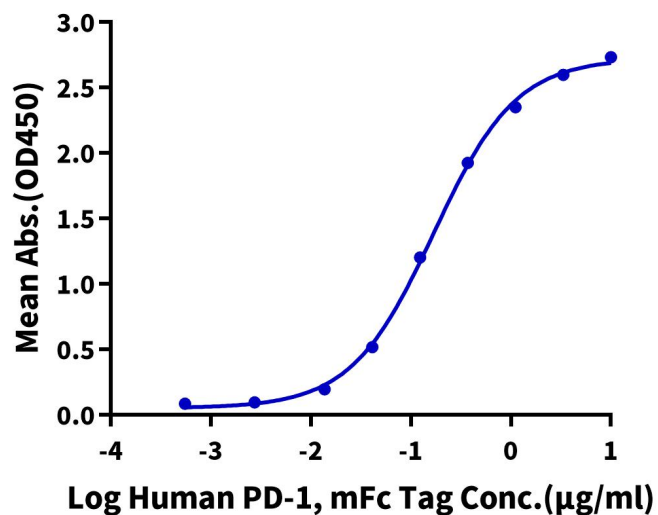


The purity of Human PD-L1 is greater than 95% as determined by SEC-HPLC.

ELISA Data

**Human PD-L1, Llama Fc Tag ELISA**

0.5µg Human PD-L1, Llama Fc Tag Per Well



Immobilized Human PD-L1, Llama Fc Tag at 5µg/ml (100µl/well) on the plate. Dose response curve for Human PD-1, mFc Tag with the EC50 of 0.17µg/ml determined by ELISA.