

## Mouse PD-L1/B7-H1 Protein

Cat. No. PDL-MM110



### Description

Source	Recombinant Mouse PD-L1/B7-H1 Protein is expressed from HEK293 with His tag at the C-Terminus.
	It contains Phe19-Thr238.
Accession	NP_068693
Molecular Weight	The protein has a predicted MW of 25.9 kDa. Due to glycosylation, the protein migrates to 45-60 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 1 EU per µg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE
	> 95% as determined by HPLC

### Formulation and Storage

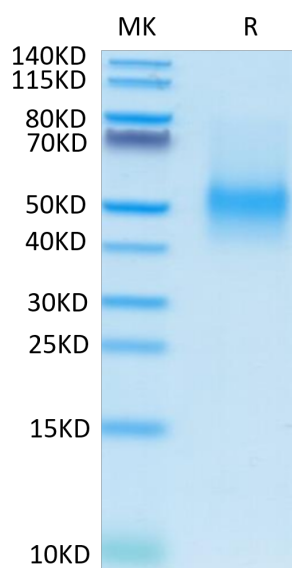
Formulation	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Dissolve the lyophilized protein in distilled water. Please refer to the Certificate of Analysis for detailed instructions.
Storage	-20 to -80°C for 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

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.

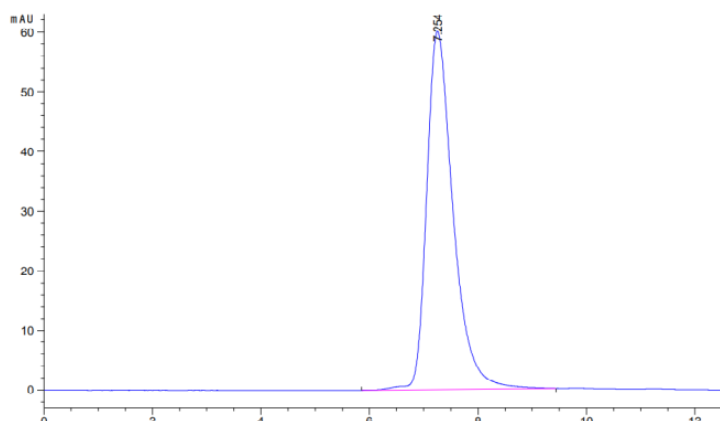
### Assay Data

#### Bis-Tris PAGE



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

#### SEC-HPLC



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

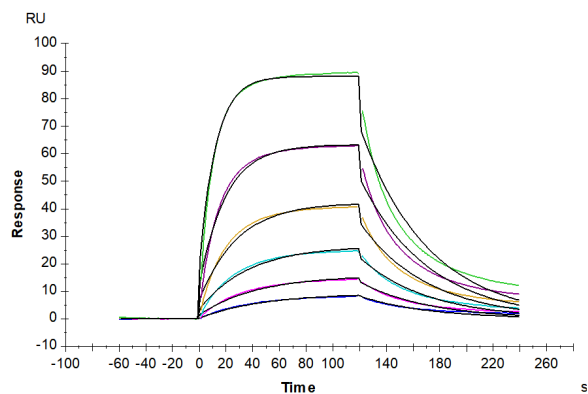
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### Assay Data

#### SPR Data



Mouse PD-L1, His Tag captured on CM5 Chip via anti-his antibody can bind Mouse PD-1, hFc Tag with an affinity constant of  $0.62 \mu\text{M}$  as determined in SPR assay (Biacore T200).