

Mouse PD-L1/B7-H1 Protein

Cat. No. PDL-MM210



Description

Source	Recombinant Mouse PD-L1/B7-H1 Protein is expressed from HEK293 with hFc tag at the C-Terminus. It contains Phe19-Arg237.
Accession	NP_068693
Molecular Weight	The protein has a predicted MW of 51.5 kDa. Due to glycosylation, the protein migrates to 70-80 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

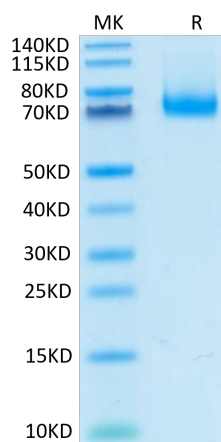
Formulation	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled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

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.

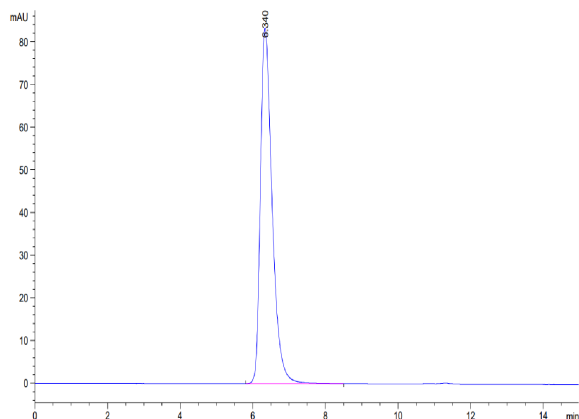
Assay Data

Bis-Tris PAGE



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

SEC-HPLC



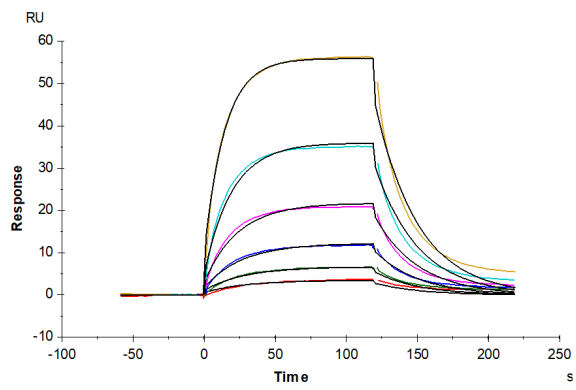
The purity of Mouse PD-L1 is greater than 95% as determined by SEC-HPLC.

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Assay Data

SPR Data



Human PD-1, His Tag captured on CM5 Chip via anti-his antibody can bind Mouse PD-L1, hFc Tag with an affinity constant of 92.49 nM as determined in SPR assay (Biacore T200).