

Biotinylated Mouse PD-L1/B7-H1 Protein (Primary Amine Labeling)

Cat. No. PDL-MM110B

Description

Source	Recombinant Biotinylated Mouse PD-L1/B7-H1 Protein (Primary Amine Labeling) is expressed from Expi293 with His tag at the C-terminal. 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 Tris-Bis PAGE result.
Endotoxin	Less than 1EU per μg by the LAL method.
Purity	> 95% as determined by Tris-Bis PAGE > 95% as determined by HPLC

Formulation and Storage

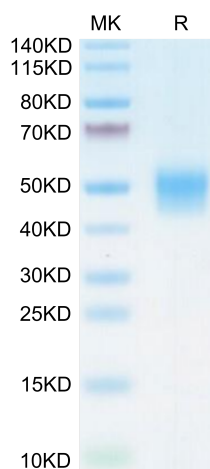
Formulation	Supplied as 0.22 μm filtered solution in PBS (pH 7.4). Please dilute to the desired concentration according to the concentration of the solution shown on the product label.
Storage	Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please do not repeated 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.

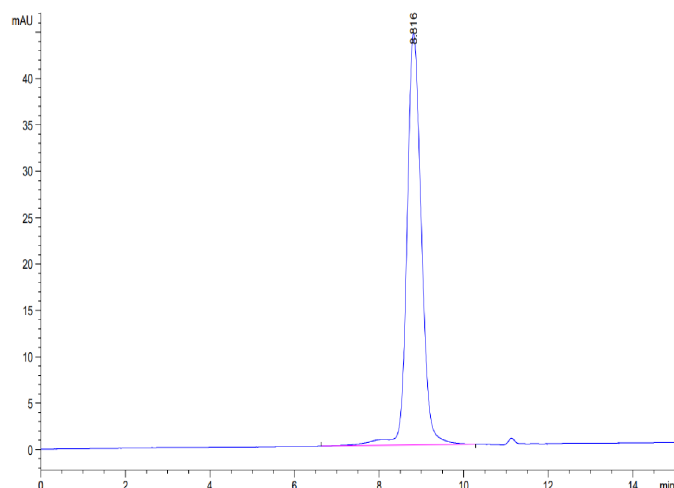
Assay Data

Tris-Bis PAGE



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

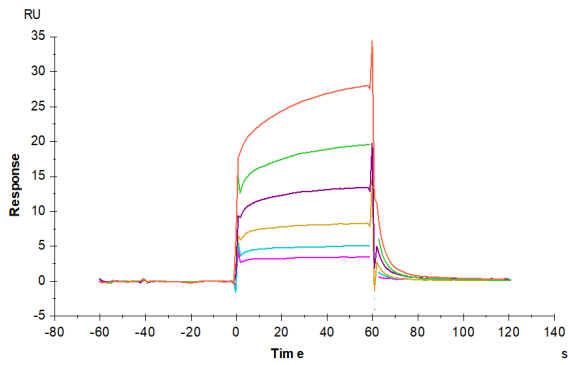
SEC-HPLC



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

Assay Data

SPR Data



Mouse PD-1, hFc Tag captured on CM5 Chip via Protein A can bind Biotinylated Mouse PD-L1, His Tag with an affinity constant of 3.06 μ M as determined in SPR assay (Biacore T200).