

Biotinylated Canine PD-L1/B7-H1 Protein

Cat. No. PDL-CM610B



Description

Source	Recombinant Biotinylated Canine PD-L1/B7-H1 Protein is expressed from HEK293 with mFc tag and Avi tag at the C-terminus.
	It contains Phe19-Arg236.
Accession	E2RKZ5
Molecular Weight	The protein has a predicted MW of 52.91 kDa. Due to glycosylation, the protein migrates to 70-90 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

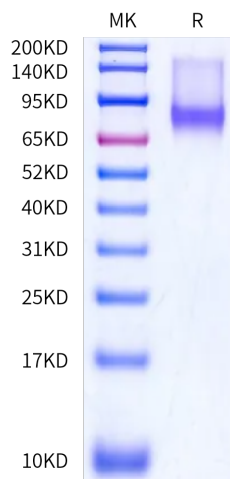
Formulation	Lyophilized from 0.22 µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Dissolve the lyophilized protein in distilled water. Please refer to the Certificate of Analysis for detailed instructions.
Storage	-20 to -80°C for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

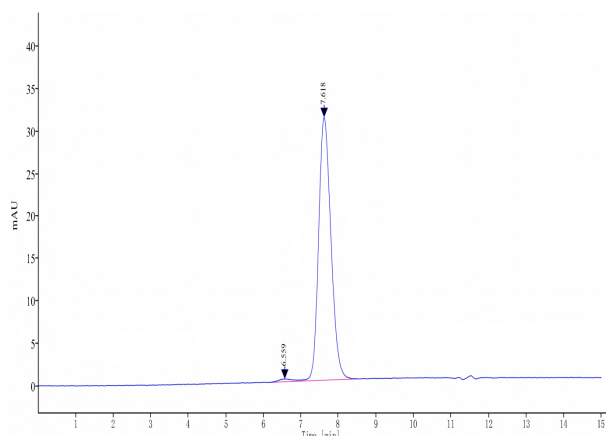
Assay Data

Bis-Tris PAGE



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

SEC-HPLC



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

Biotinylated Canine PD-L1/B7-H1 Protein

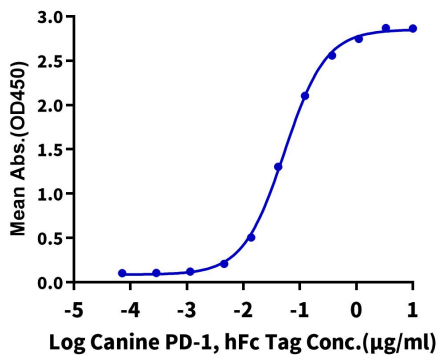
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Assay Data

ELISA Data

Biotinylated Canine PD-L1, mFc-Avi Tag ELISA
0.1µg Biotinylated Canine PD-L1, mFc-Avi Tag Per Well



Immobilized Biotinylated Canine PD-L1, mFc Avi Tag at 1µg/ml (100µl/well) on the streptavidin precoated plate (5µg/ml). Dose response curve for Canine PD-1, hFc Tag (Cat. PD1-DM201) with the EC50 of 53.3ng/ml determined by ELISA.