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Data Sheet

PD-L1 (CD274), Fc fusion

Human, recombinant, C-terminal Fc fusion protein
Catalog #: 71104
Lot #: 150127-D **Conc.:** 2.21 mg/ml

Formulated in: 8 mM Phosphate, pH 7.4, 110 mM NaCl, 2.2 mM KCl, and 20% glycerol

Stability: At least 6 months at –80°C. *Avoid freeze/thaw cycles. Protein may be diluted to ≥ 100 µg/ml in PBS + glycerol and stored at -80°C.*

Endotoxin Level: <1 EU/µg

References:

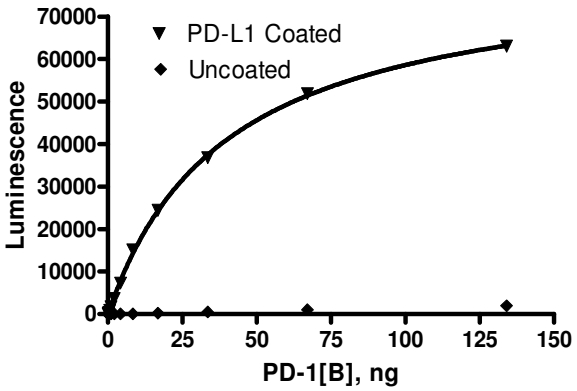
1. Freeman, G.J., *et al., J Exp Med.* 2000 Oct 2;**192(7)**:1027-34.
2. Dong, H., *et al., Nat Med.* 1999 Dec;**5(12)**:1365-9.

Description: Human secreted Programmed Cell Death 1 Ligand 1 (PD-L1)-Fc fusion protein, also known as CD274 and B7 homolog 1 (B7-H1), GenBank Accession No. NM_014143, amino acids 19-239, fused at the C-terminus to the Fc portion of human IgG1, expressed in a HEK293 cell expression system. MW = 52 kDa.

Assay Conditions: PD-L1 binding to PD-1 was tested following protocol for BPS Cat. #72005. Briefly, wells were coated with 10 ng of PD-L1 in PD-1 assay buffer. Varying concentrations of biotinylated PD-1 was added and wells were incubated at room temp. for 2 hours before adding strep-HRP, followed by chemiluminescent substrate. Luminescence was read on a chemiluminescent plate reader.

Application: Useful for the study of protein-protein interaction and *in vitro* and *in vivo* protein function.

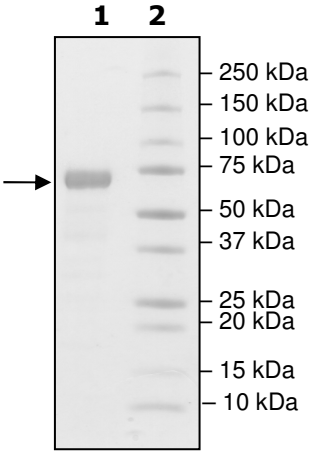
Quality Assurance



4-20% SDS-PAGE
Coomassie staining

Lane 1:
4 µg PD-L1-Fc
Lane 2:
Protein Marker

MW: 52 kDa + glycans
Purity: ≥90%



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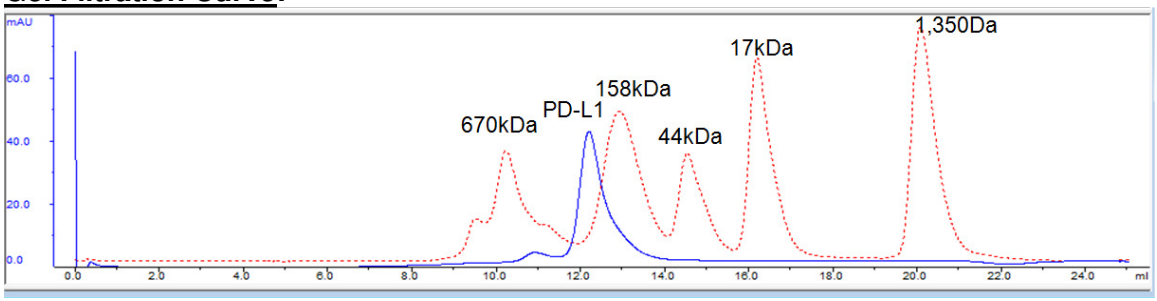
Gel Filtration Curve:



Sequence:

FTVTVPKDLYVVEYGSNMTIECKFPVEKQLDLAALIVYWEMEDKNIIQFVHGEEDLKVQ
HSSYRQRARLLKDQLSLGNAALQITDVKLQDAGVYRCMISYGGADYKRITVKVNAPY
NKINQRILVVDPVTSEHELTCQAEGYPKAEVIWTSSDHQVLSGKTTTTNSKREEKLFN
VTSTLRINTTTNEIFYCTFRRLDPEENHTAELVIPELPLAHPPNERTDIEGRMDPKSCDK
THTCPPCPAPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKFNWYVD
GVEVHNAKTKPREEQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKTISKA
KGQPREPQVYTLPPSREEMTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTTPP
VLDSDGSFFLYSKLTVDKSRWQQGNVFSCSVMHEALHNHYTQKSLSLSPGK

Black: PD-L1 (a.a. 19-239)
Green: Linker
Red: Fc of human IgG1 (a.a.100-330)

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