6044 Cornerstone Court W, Ste E
San Diego, CA 92121
Tel: 1.858.829.3082
Fax: 1.858.481.8694
Email: info@bpsbioscience.com

Data Sheet

PD-L2 (CD273), Fc fusion

Human, recombinant, Fc fusion protein
Catalog #: 71107
Lot #: 150120 **Conc.:** 2.83 mg/ml

Formulated in: 40 mM Tris-HCl, pH 8.0, 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.*

References:

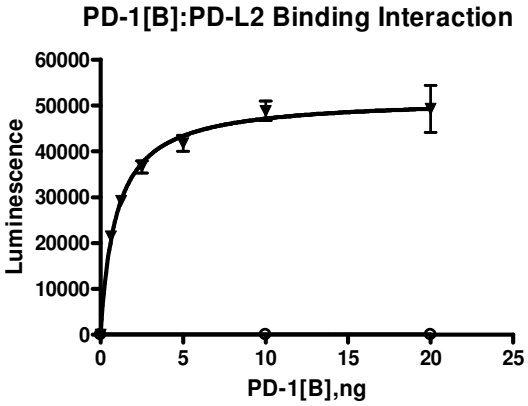
1. Latchman, Y., *et al., Nat. Immunol.* 2001 Mar;**2(3)**:261-8.
2. Saunders, P.A., *et al., Eur. J. Immunol.* 2005 Dec;**35(12)**:3561-9.

Description:
Human secreted Programmed Death Ligand 2 (PD-L2)-Fc fusion protein, also known as CD273, PDCDL1G2, and B7-DC, GenBank Accession No. NM_025239, a.a. 20-219, fused at the C-terminus to the Fc portion of human IgG1 expressed in a HEK293 cell expression system. MW = 49 kDa.

Assay Conditions:
PD-1-PD-L2 binding activity, measured using the using the PD-1[Biotinylated]:PD-L2 Inhibitor Screening Assay Kit, BPS Bioscience, Catalog #72006

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

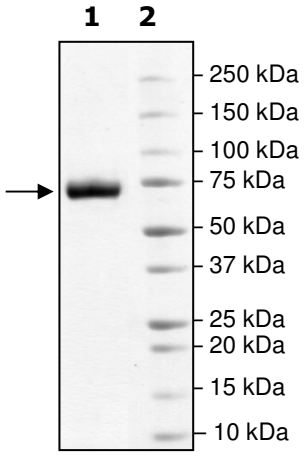
Quality Assurance



4-20% SDS-PAGE
Coomassie staining

Lane 1:
4 µg PD-L2-Fc
Lane 2:
Protein Marker

MW: 49 kDa + glycans
Purity: ≥90%



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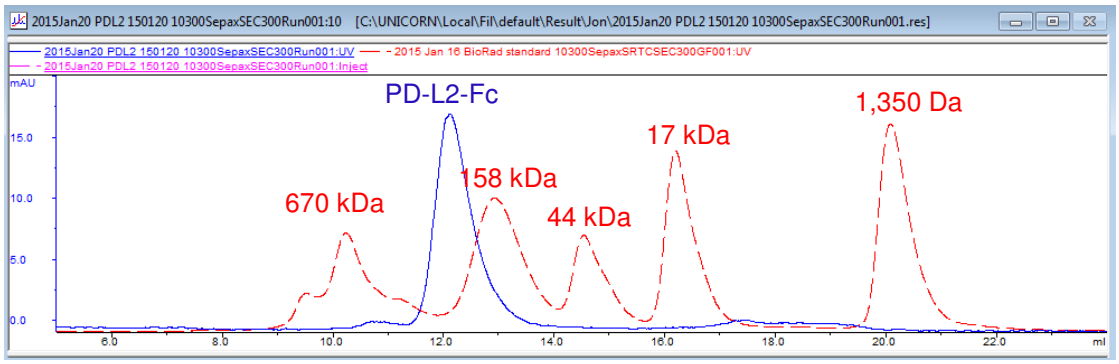
Gel Filtration Curve



Sequence:

LFTVTVPKELYIIEHGSNVTLECNFDTGSHVNLGAITASLQKVENDTSPHRERATLLEEQ
LPLGKASFHIPQVQVRDEGQYQCIIIYGVAWDYKYLTLKVKASYRKINTHILKVPETDEVE
LTCQATGYPLAEVSWPNVSVPANTSHSRTPEGLYQVTSVLRLKPPPGRNFSCVFWNT
HVRELTLASIDLQSQMEPRTHPIEGRMDPKSCDKTHTCPPCPAPELLGGPSVFLFPPKP
KDTLMISRTPEVTCVVVDVSHEDPEVKFNWYVDGVEVHNAKTKPREEQYNSTYRVVSV
LTVLHQDWLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSREEMTKNQV
SLTCLVKGFYPSDIAVEWESNGQPENNYKTTPPVLDSDGSFFLYSKLTVDKSRWQQGN
VFSCSVMHEALHNHYTQKSLSLSPGK

Black: PD-L2 (a.a. 20-219)
Green: linker
Red: Fc Fusion human IgG (a.a. 100-330)

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