

**Human CellExp CD273 / B7-DC / PD-L2, human recombinant protein**  
**PDL2, PD-L2, Butyrophilin B7-DC, CD273, PDCD1 ligand 2, PDCD1L2, PDCD1LG2**  
**Catalog # PBV10992r**

## Specification

### Human CellExp CD273 / B7-DC / PD-L2, human recombinant protein - Product info

Primary Accession  
Calculated MW

[O9BQ51](#)

This protein is fused with polyhistidine tag at the C-terminus, has a calculated MW of 23.4 kDa. The predicted N-terminus is Leu 20. DTT-reduced Protein migrates as 35-48 kDa due to glycosylation. KDa

### Human CellExp CD273 / B7-DC / PD-L2, human recombinant protein - Additional Info

Gene ID **80380**  
Gene Symbol **PDCD1LG2**  
**Other Names**  
PDL2, PD-L2, Butyrophilin B7-DC, CD273, PDCD1 ligand 2, PDCD1L2, PDCD1LG2

Gene Source **Human**  
Source **HEK293 cells**  
Assay&Purity **SDS-PAGE; ≥95%**  
Assay2&Purity2 **N/A;**  
Recombinant **Yes**  
Results **Measured by its binding ability in a functional ELISA. Immobilized rh B7-DC / PD-L2 / CD273 at 1 µg/mL (100 µl/well) can bind rhPDCD-1 with a linear range of 15 - 500 ng/ml.**

**Target/Specificity**  
CD273/B7-DC/PD-L2

### Application Notes

Centrifuge the vial prior to opening. Reconstitute in sterile PBS, pH 7.4 to a concentration of 50 µg/ml. Do not vortex. This solution can be stored at 2-8°C for up to 1 month. For extended storage, it is recommended to store at -20°C.

**Format**  
Lyophilized

**Storage**  
-20°C; Lyophilized from 0.22 µm filtered solution in PBS, pH7.4. Generally 5-8% Mannitol or trehalose is added as a protectant before lyophilization.

### Human CellExp CD273 / B7-DC / PD-L2, human recombinant protein - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

#### **Human CellExp CD273 / B7-DC / PD-L2, human recombinant protein - Images**

#### **Human CellExp CD273 / B7-DC / PD-L2, human recombinant protein - Background**

Programmed cell death 1 ligand 2 (PD-L2 or PDCD1 ligand 2) is also known as Butyrophilin B7-DC, CD antigen CD273, which belongs to the immunoglobulin superfamily or BTN/MOG family. The expression of PD-L2 is up-regulated by IFNG/IFN-gamma stimulation in monocytes and induced on dendritic cells grown from peripheral blood mononuclear cells with CSF2 and IL-4. PD-L2 Involved in the costimulatory signal, essential for T-cell proliferation and IFNG production in a PDCD1-independent manner. PD-L2 interaction with PDCD1 inhibits T-cell proliferation by blocking cell cycle progression and cytokine production.

#### **Human CellExp CD273 / B7-DC / PD-L2, human recombinant protein - References**

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