

## PRODUCT INFORMATION

<b>Target</b>	PDL2
<b>Synonyms</b>	B7DC;bA574F11.2;Btdc;CD273;PD-L2;PDCD1L2;PDL2
<b>Description</b>	Recombinant human PDL2 protein with C-terminal 6×His tag
<b>Delivery</b>	In Stock
<b>Uniprot ID</b>	Q9BQ51
<b>Expression Host</b>	HEK293
<b>Tag</b>	C-6×His Tag
<b>Molecular Characterization</b>	PDL2(Leu20-Pro219) 6×His tag
<b>Molecular Weight</b>	The protein has a predicted molecular mass of 23.4 kDa after removal of the signal peptide. The apparent molecular mass of PDL2-His is approximately 35-55 kDa due to glycosylation.
<b>Purity</b>	The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue staining.
<b>Formulation &amp; Reconstitution</b>	Lyophilized from sterile PBS, pH 7.4. Normally 5% - 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions of reconstitution.
<b>Storage &amp; Shipping</b>	Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.
<b>Background</b>	Involved in the costimulatory signal, essential for T-cell proliferation and IFNG production in a PDCD1-independent manner. Interaction with PDCD1 inhibits T-cell proliferation by blocking cell cycle progression and cytokine production (By similarity).[UniProtKB/Swiss-Prot Function]
<b>Usage</b>	Research use only



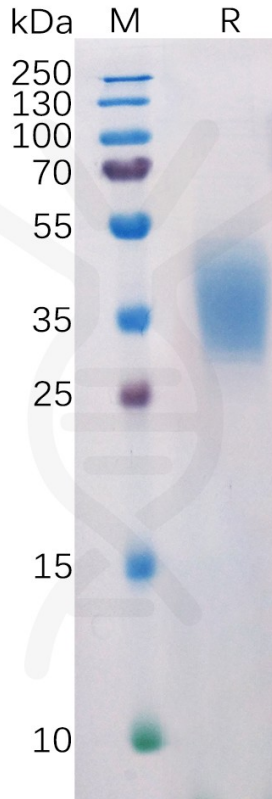


Figure 1. Human PDL2 Protein, His Tag on SDS-PAGE under reducing condition.

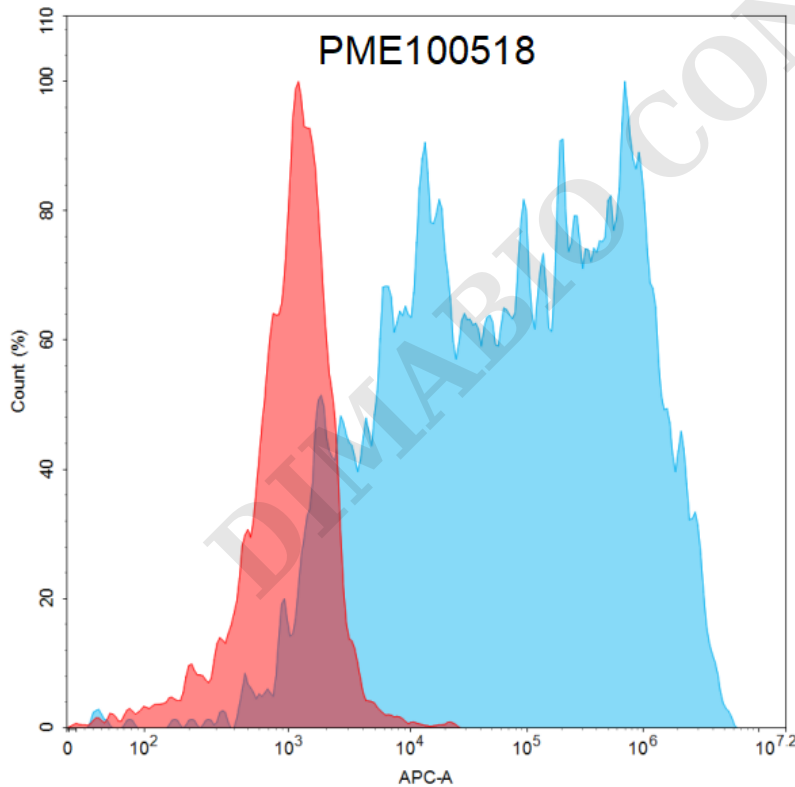


Figure 2. Flow cytometry analysis with 15  $\mu\text{g}/\text{mL}$  Human PDL2 Protein, His tag (PME100518) on Expi293 cells transfected with human PD1 (Blue histogram) or Expi293 transfected with irrelevant protein (Red histogram).



### Human PDL2, His Tagged protein ELISA

0.2  $\mu$ g of Human PDL2, His tagged protein per well

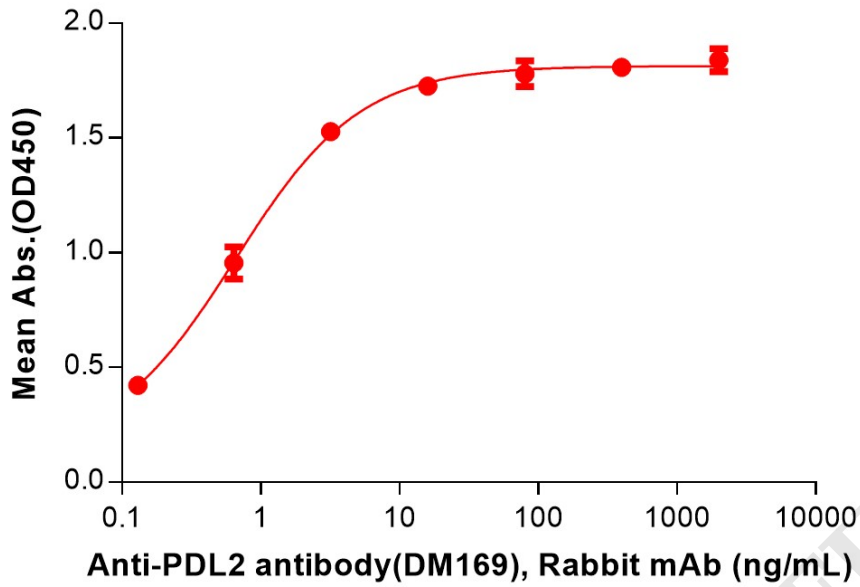


Figure 3. ELISA plate pre-coated by 2  $\mu$ g/mL (100  $\mu$ L/well) Human PDL2 Protein, His Tag (PME100518) can bind Anti-PDL2 antibody(DM169), Rabbit mAb in a linear range of 0.13-3.20 ng/mL.

