PRODUCT INFORMATION

Target	PDL2
Synonyms	B7DC;bA574F11.2;Btdc;CD273;PD-L2;PDCD1L2;PDL2
Description	Recombinant human PDL2 protein with C-terminal 6×His tag
Delivery	In Stock
Uniprot ID	Q9BQ51
Expression Host	HEK293
Tag	C-6×His Tag
Molecular Characterization	PDL2(Leu20-Pro219) 6×His tag
Molecular Weight	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.
Purity	The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue staining.
Formulation & Reconstitution	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.
Storage&Shipping	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.
Background	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]
Usage	Research use only
Conjugate	Unconjugated

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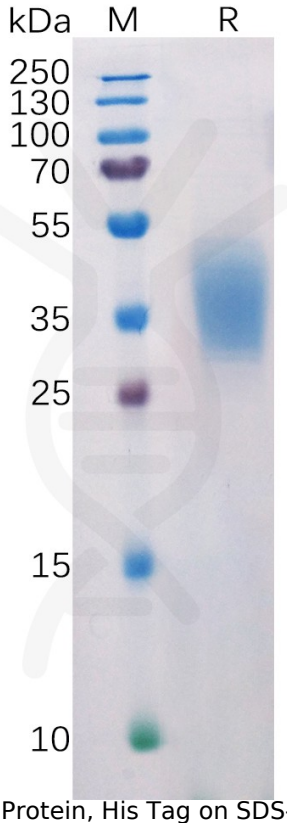


Figure 1. Human PDL2 Protein, His Tag on SDS-PAGE under reducing condition.

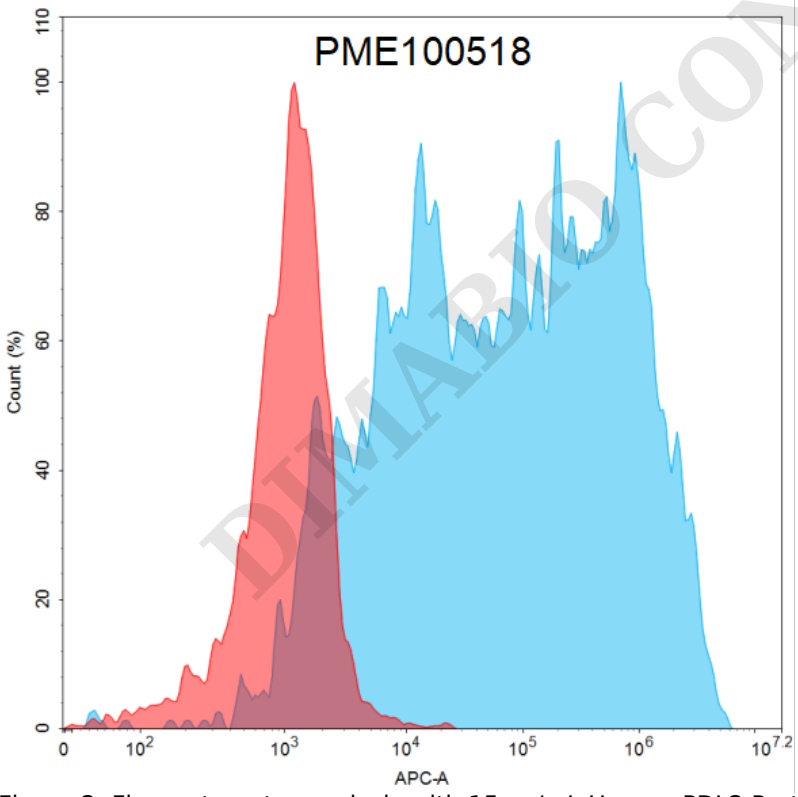


Figure 2. Flow cytometry analysis with 15 μg/mL Human PDL2 Protein, His tag (PME100518) on HEK293 cells transfected with human PD1 (Blue histogram) or HEK293 transfected with irrelevant protein (Red histogram).

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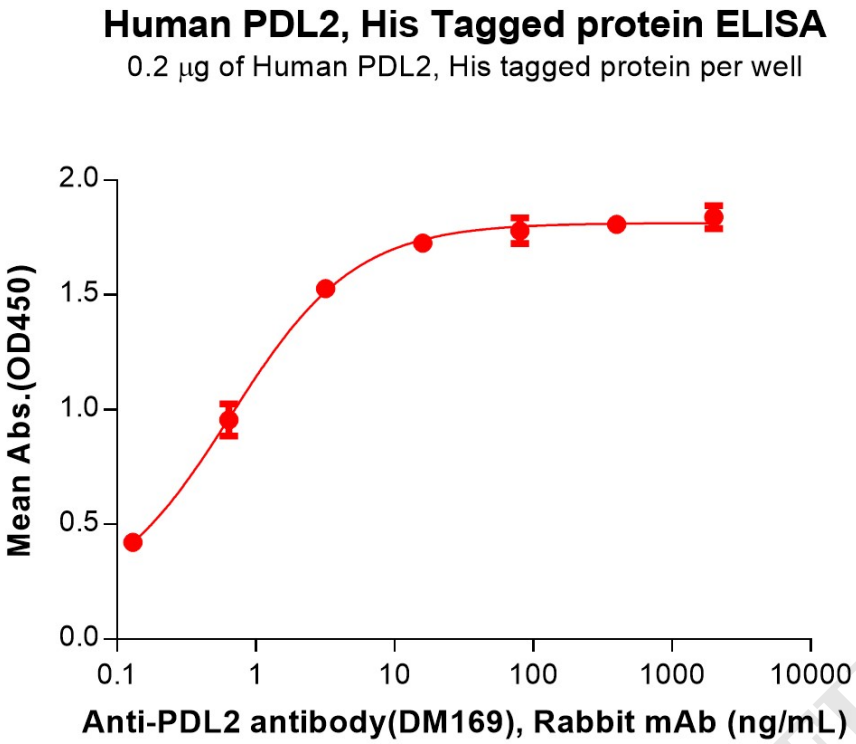


Figure 3. ELISA plate pre-coated by 2 μg/mL (100 μL/well) Human PDL2 Protein, His Tag (PME100518) can bind Anti-PDL2 antibody(DM169), Rabbit mAb in a linear range of 0.13–3.20 ng/mL.

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