

## HUMAN PDL2 PROTEIN, HIS TAG

**Cat.#:** 11320

**Product Name:** Human PDL2 Protein

**Size :** 10 µg, 50 µg and 100 µg

**Synonyms:** B7DC;bA574F11.2;Btdc;CD273;PD-L2;PDCD1L2;PDL2

**Target:** PDL2

**UNIPROT ID:** Q9BQ51

**Description:** Recombinant human PDL2 protein with C-terminal 6xHis tag

**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]

**Species/Host:** HEK293

**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.

**Molecular Characterization:** PDL2(Leu20-Pro219) 6×His tag

**Purity:** The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue staining.

**Formulation & Reconstitution:** Lyophilized from nanodisc solubilization buffer (20 mM Tris-HCl, 150 mM NaCl, pH 8.0). Normally 5% – 8% trehalose is added as protectants before lyophilization.

**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.

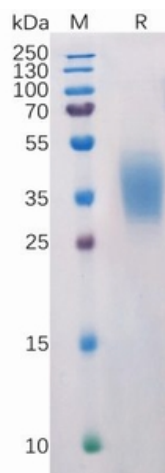


Figure 1. Human PDL2 Protein, His Tag on SDS-PAGE under reducing condition.

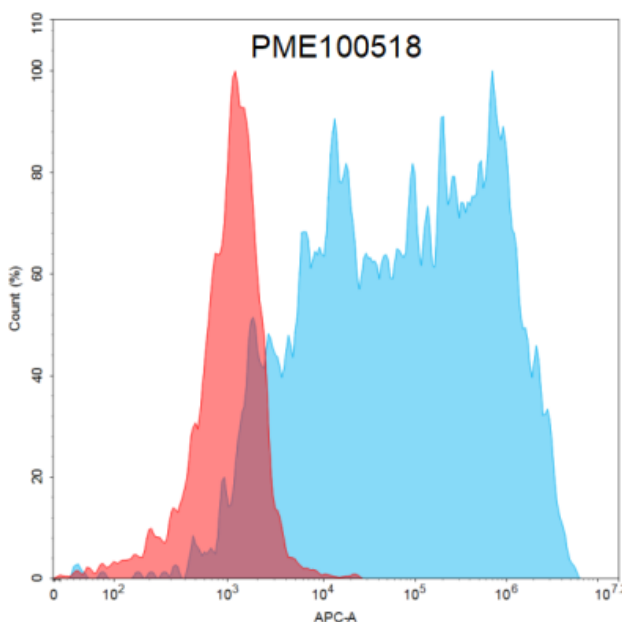


Figure 2. Flow cytometry analysis with 15 µg/ml Human PDL2 Protein, His tag (11320) on Expi293 cells transfected with human PD1 (Blue histogram) or Expi293 transfected with irrelevant protein (Red histogram).

