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.

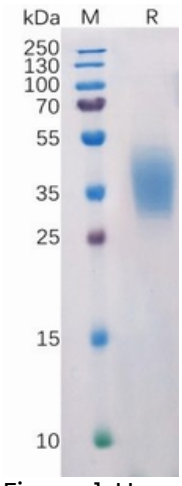

Figure 1. Human PDL2 Protein, His Tag on SDS-PAGE under reducing condition.

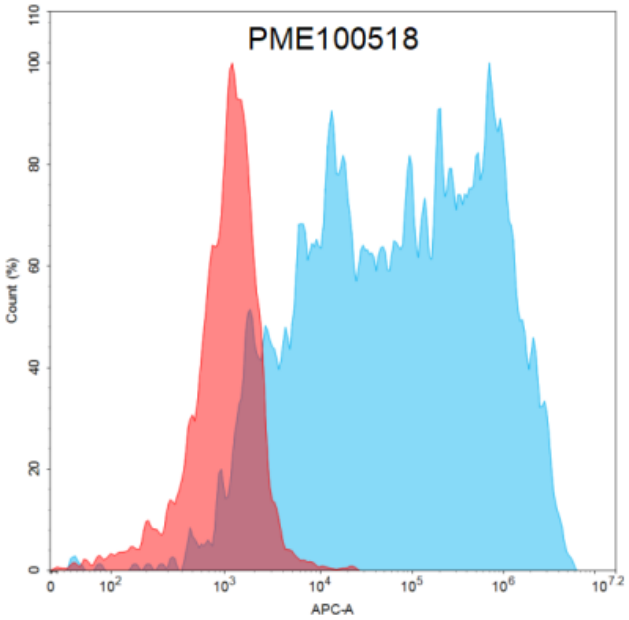

Figure 2. Flow cytometry analysis with 15 μg/ml Human PDL2 Protein, His tag (11320) on Expi293 cells transfected with human PD1 (Blue histogram) or Expi293 transfected with irrelevant protein (Red histogram).