

## PD-L1 (DM124) RABBIT MAB

**Cat.#:** 28469

**Product Name:** Anti-PD-L1(DM124) Rabbit Monoclonal Antibody

**Synonyms:** PD-L1; CD274; B7-H1; PDCD1L1; PDCD1LG1

**Description:** Anti-PD-L1 antibody(DM124) Rabbit Monoclonal Antibody

**Background:** This gene encodes an immune inhibitory receptor ligand that is expressed by hematopoietic and non-hematopoietic cells; such as T cells and B cells and various types of tumor cells. The encoded protein is a type I transmembrane protein that has immunoglobulin V-like and C-like domains. Interaction of this ligand with its receptor inhibits T-cell activation and cytokine production. During infection or inflammation of normal tissue; this interaction is important for preventing autoimmunity by maintaining homeostasis of the immune response. In tumor microenvironments; this interaction provides an immune escape for tumor cells through cytotoxic T-cell inactivation. Expression of this gene in tumor cells is considered to be prognostic in many types of human malignancies; including colon cancer and renal cell carcinoma. Alternative splicing results in multiple transcript variants.

**Applications:** ELISA; Flow Cyt

**Recommended Dilutions:** ELISA 1:5000-10000; Flow Cyt 1:100

**Host Species:** Rabbit

**Isotype:** Rabbit IgG

**Purification:** Purified from cell culture supernatant by affinity chromatography

**Species Reactivity:** Human PD-L1

**Constituents:** Lyophilized from sterile PBS, pH 7.4. 5% – 8% trehalose is added as protectants before lyophilization.

**Storage & Shipping:** Store at  $-20^{\circ}\text{C}$  to  $-80^{\circ}\text{C}$  for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at  $-80^{\circ}\text{C}$  (Avoid repeated freezing and thawing).

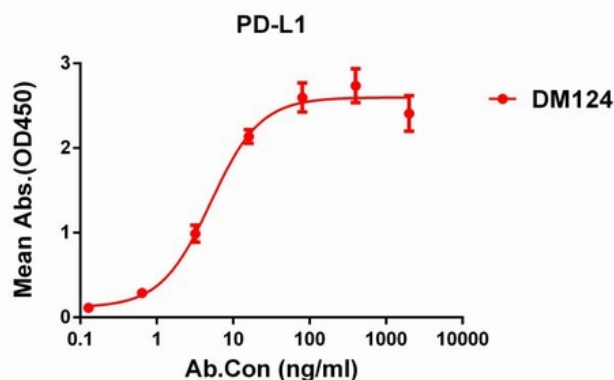


Figure 1. ELISA plate pre-coated by  $1\ \mu\text{g/ml}$  ( $100\ \mu\text{l/well}$ ) Human PD-L1 protein, mFc His tagged protein 11151 can bind Rabbit anti-PD-L1 monoclonal antibody (clone: DM124) in a linear range of 0.1-15 ng/ml.

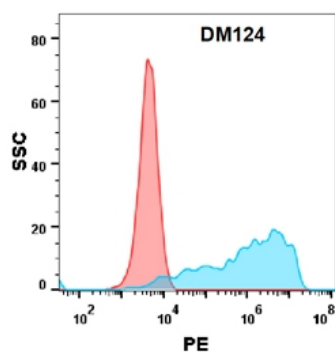


Figure 2. Flow cytometry analysis with Anti-PD-L1 (DM124) on Expi293 cells transfected with human PD-L1 (Blue histogram) or Expi293 transfected with irrelevant protein (Red histogram).