

# Anti-PD-L1 (Extracellular region) M080 Antibody

Catalog # AN1897

# **Specification**

# Anti-PD-L1 (Extracellular region) M080 Antibody - Product Information

Application WB, IHC
Primary Accession Q9NZQ7
Host Mouse

Clonality Mouse Monoclonal

Isotype IgG1
Calculated MW 33275

## Anti-PD-L1 (Extracellular region) M080 Antibody - Additional Information

Gene ID 29126

**Other Names** 

Programmed cell death 1 ligand 1, PD-L1, PDCD1 ligand 1, Programmed death ligand 1, hPD-L1, B7 homolog 1, B7-H1, CD274, B7H1, PDCD1L1, PDCD1LG1, PDL1

**Dilution** 

WB~~1:1000 IHC~~1:100~500

#### Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

## **Precautions**

Anti-PD-L1 (Extracellular region) M080 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

**Shipping** 

Blue Ice

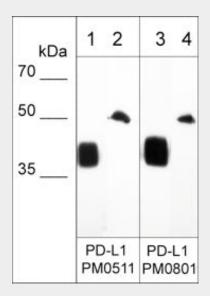
## Anti-PD-L1 (Extracellular region) M080 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

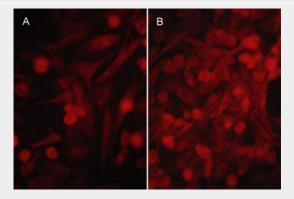
- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

## Anti-PD-L1 (Extracellular region) M080 Antibody - Images

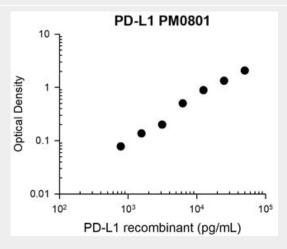




Western blot of human recombinant PD-L1 extracellular region (40 kDa; lanes 1 & 3) and endogenous PD-L1 in human lung (lanes 2 & 4). The blot was probed with mouse monoclonals anti-PD-L1 (PM0511) at 1:500 (lanes 1 & 2) and anti-PD-L1 (PM0801) at 1:250 (lanes 3 & 4).

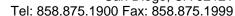


Immunocytochemical labeling of PD-L1 in aldehyde fixed human MDA-MB-231 carcinoma cells untreated (A) or treated with 100 ng/ml IFN $\gamma$  for 48 hrs (B). The cells were labeled with mouse monoclonal anti-PD-L1 (PM0801). The antibody was detected using goat anti-mouse DyLight® 594.



Representative Standard Curve using mouse monoclonal anti-PD-L1 (PM0801) for ELISA capture of human recombinant PD-L1 extracellular region with a His-tag. Captured protein was detected







Anti-PD-L1 (Extracellular region) M080 Antibody - Background

Programmed cell death 1 ligand 1 (PD-L1, B7-H1, CD274) is a member of the B7 family of cell surface ligands that regulate T cell activation and immune responses. The B7 family members have conserved regions that include extracellular IqV and IqC domains, and a short cytoplasmic region. Research studies demonstrate that PD-L1 is expressed in several tumor types, including melanoma, ovary, colon, lung, breast, and renal cell carcinomas. PD-L1 plays a critical role in induction and maintenance of immune tolerance to self. As a ligand for the inhibitory receptor PDCD1/PD-1, modulates the activation threshold of T-cells and limits T-cell effector response. The PDCD1-mediated inhibitory pathway is exploited by tumors to attenuate anti-tumor immunity and escape destruction by the immune system, which promotes tumor survival. The blockage of the PD1/PD-L1-mediated pathway results in the reversal of the exhausted T-cell phenotype and the normalization of the anti-tumor response, providing a rationale for cancer immunotherapy. Several therapies that target PD1/PD-L1 pathways are currently in use or in clinical trials

by suitable anti-His-tag antibody followed by appropriate secondary antibody HRP conjugate.