

## PDL1 Antibody

### Datasheet

For Research Use Only

Description	Catalog No.	Size
PDL1 Concentrate	FP-A051-01	0.1 ml
PDL1 Concentrate	FP-A051-10	1 ml
PDL1 Predilute	FP-A051-70	7ml

### Description

Programmed Death-Ligand 1 (PD-L1), also known as CD274 or B7 Homolog 1 (B7-H1), is a transmembrane protein involved in suppressing the immune system and rendering tumor cells resistant to CD8+ T cell-mediated lysis through binding of the Programmed Death-1 (PD-1) receptor. Overexpression of PD-L1 may allow cancer cells to evade the actions of the host immune system. In renal cell carcinoma, upregulation of PD-L1 has been linked to increased tumor aggressiveness and risk of death, and, in ovarian cancer, higher expression of this protein has led to significantly poorer prognosis. PD-L1 has also been linked to systemic lupus erythematosus and cutaneous melanoma. When considered in adjunct with CD8+ tumor-infiltrating lymphocyte density, expression levels of PD-L1 may be a useful predictor of multiple cancer types, including stage III non-small cell lung cancer, hormone receptor negative breast cancer, and sentinel lymph node melanoma.

### Specifications

Clone	IHC411
Source	Rabbit Monoclonal
Applications	IHC (P)
Formulation	Tris Buffer, pH 7.3 - 7.7, with 1% BSA and <0.1% Sodium Azide

### IHC Procedure\*

Positive Control Tissue	Tonsil, Lung Adenocarcinoma
Concetrated Dilution	1:100 – 1:200
Pretreatment	Perform heat-induced epitope retrieval (HIER) at pH 9 for 10 to 30 minutes
Incubation Time and Temp	10 to 30 minutes at room temperature
Detection	Refer to the detection system manual

\*Result should confirmed by an established diagnostic procedure.

## Result

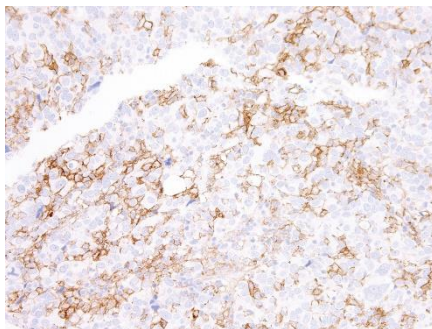


Figure. PDL1 on Lung.

## Storage and Handling

Must store the reagent at 2-8 °C. Do not freeze. Do not use the reagent after expiration date on vial. To ensure proper stability and delivery of the antibody after each run, replace the cap and immediately place the bottle in a refrigerator in an upright position. Positive and negative controls should be simultaneously run with unknown specimens, as there are no conclusive characteristics to suggest instability of the antibody.

## Precautions

**The product is for research use only.** Do not use for diagnosis purpose. Ensure proper handling procedures are used with all reagents. Always wear laboratory coats, disposable gloves, and other appropriate laboratory equipment when handling reagents. Do not ingest reagents, and avoid contact with eyes and mucous membranes. Wash eyes with copious amounts of water if contact occurs.

## References

1. N. Ishii, K. Takahashi, et al. "Polarity of myofilaments in molluscan smooth muscle." Cooke PH. J Cell Biol. 1976; 68:539-556.
2. Gown AM, Tsukada T, Ross R, et al. "Human atherosclerosis. II. Immunocytochemical analysis of the cellular composition of human atherosclerotic lesions." Gown AM, et al. J Cell Biol. 1985; 100:807- 813.

## Technical Support

Contact FemtoPath Technical Support at +886232338585 or email to [femtopath@hongjing.com.tw](mailto:femtopath@hongjing.com.tw) for questions regarding this product.