

PD-L1 [E1L3N] - 149Sm

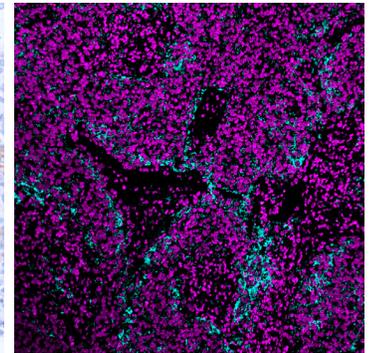
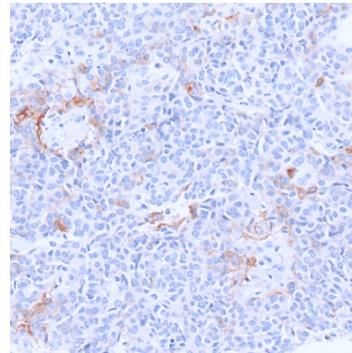
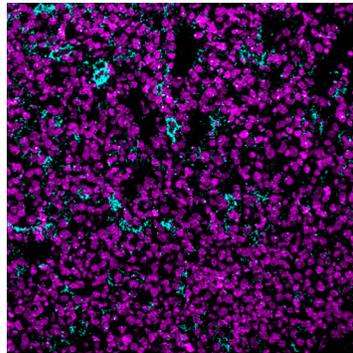
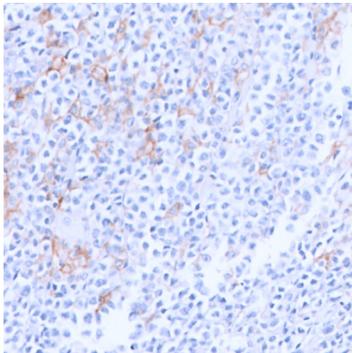
Catalog: 714902

Clone: E1L3N

Isotype: Rabbit IgG

Reactivity: Human*

Application: MIBI-FFPE

Storage: Supplied in antibody stabilizer with 0.05% sodium azide. Store at 4°C


IHC: PD-L1 antibody staining of FFPE human diffuse large B cell lymphoma

MIBI: PD-L1 antibody staining (cyan) of FFPE human diffuse large B cell lymphoma, counterstained with dsDNA (magenta)

IHC: PD-L1 antibody staining of FFPE human thymic SCC

MIBI: PD-L1 antibody staining (cyan) of FFPE human thymic SCC, counterstained with dsDNA (magenta)

Background

Programmed cell death 1 ligand 1 (PD-L1, CD274) binds to PD-1 and inhibits T cell activation. APCs, activated T cells, and tissues including placenta, heart, and lung can express PD-L1. PD-L1 is expressed in cancer as a means for cancerous cells to inhibit immune responses. PD-L1 has been detected for several tumor types including melanoma, lung, ovary, colon, breast, and renal cell carcinomas. PD-L1 expression in cancer is associated with tumor infiltrating lymphocytes, which mediate PD-L1 expression through the release of interferon gamma. Inhibition of the PD-1-PD-L1 axis has been an active area of clinical research with several approved drugs for multiple indications.

Validation

Each lot of conjugated antibody is quality control tested by staining tissue following the MIBI Staining Protocol optimized for the applicable tissue format with subsequent MIBIscope analysis using the appropriate positive and negative tissue field of views. These results are pathologist verified.

Recommended Usage

Human FFPE: 1:100 dilution. For optimal results, the antibody should be titrated for each desired application.

References

Wimberly, H. et al. PD-L1 Expression Correlates with Tumor-Infiltrating Lymphocytes and Response to Neoadjuvant Chemotherapy in Breast Cancer. *Cancer Immunol Res.* 2015; **3**(4): 326-332.

Bindels, S. et al. Regulation of PD-L1 by SIP1 in human epithelial breast tumor cells. *Oncogene.* 2006; 25:4975-4985.

* Conjugate tested on human tissue.