Anti-Human PD-L2-172Yb

Pathologist-Verified Clone for Imaging Mass Cytometry™

Catalog: 3172031D
Package size and concentration: 25 µg, 0.5 mg/mL
Storage: Store at 4 °C. Do not freeze.
Reactivity: Human

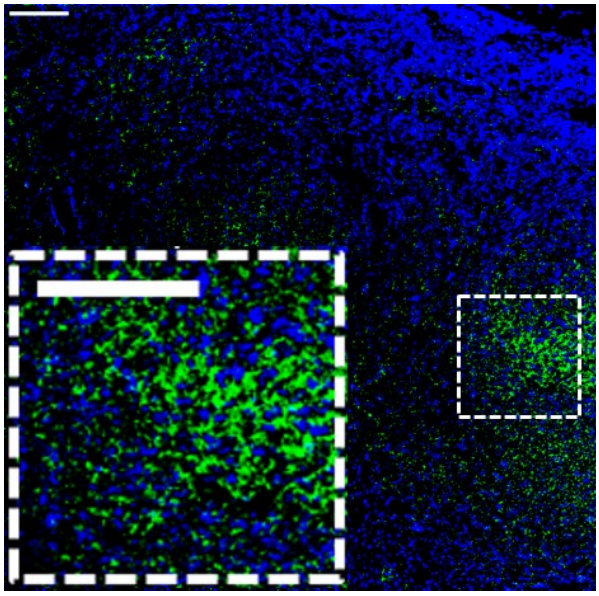
Clone: D7U8C
Isotype: Rabbit IgG
Formulation: Antibody stabilizer with 0.05% sodium azide
Application: IMC-Paraffin

Technical Information

Application: The metal-tagged antibody is designed and formulated for the application of Imaging Mass Cytometry (IMC™) using the Fluidigm Hyperion™ Imaging System on formalin-fixed, paraffin-embedded (FFPE) tissue sections.

Quality control: Each lot of conjugated antibody is quality control-tested by Imaging Mass Cytometry on tissue sections.

Recommended concentration: For optimal performance it is recommended that the antibody be titrated for the desired application. Suggested initial dilution range:
IMC-Paraffin: 1:25 to 1:100



Human tonsil (FFPE) stained with 172Yb-anti-PD-L2 (D7U8C) at a dilution of 1:50 (green pseudocolor) and iridium DNA intercalator (blue pseudocolor). Heat-mediated antigen retrieval was performed using Tris/EDTA buffer pH 9. Scale bar size = 100 µm.

Description

Programmed death ligand 2 (PD-L2), also known as CD273 and B7-DC, is an approximately 25 kDa member of the B7 family. PD-L2 is mainly expressed by subpopulations of myeloid-lineage cells including dendritic cells and monocytes/macrophages. PD-L2 serves as a ligand for PD-1, and this interaction is thought to be involved in costimulation or suppression of T cell proliferation. Clone D7U8C recognizes endogenous levels of total PD-L2 protein.

References

Chang, Q. et al. "Staining of frozen and formalin-fixed, paraffin-embedded tissues with metal-labeled antibodies for imaging mass cytometry analysis." *Current Protocols in Cytometry* 82 (2017): 12.47.1–12.47.8.

Giesen, C. et al. "Highly multiplexed imaging of tumor tissues with subcellular resolution by mass cytometry." *Nature Methods* 11 (2014): 417–22.