Anti-Human CD274/PD-L1-159Tb

Catalog: 3159029B
Package size: 100 tests
Storage: Store product at 4 °C. Do not freeze.
Cross-reactivity: Chimpanzee, Squirrel Monkey, African Green, Marmoset
Clone: 29E.2A3
Isotype: Mouse IgG2b
Formulation: Antibody stabilizer with 0.05% sodium azide

Technical Information

Validation: Each lot of conjugated antibody is quality control-tested by CyTOF® analysis of stained cells using the appropriate positive and negative cell staining and/or activation controls.

Recommended usage: The suggested use is 1 µL for up to 3 x 10⁶ live cells in 100 µL. It is recommended that the antibody be titrated for optimal performance for each of the desired applications.

Description

PD-L1 (also known as CD274 and B7-H1), one of the ligands for programmed cell death 1 (PD-1), is an immune-inhibitory receptor belonging to the CD28/cytotoxic T lymphocyte antigen 4 (CTLA-4) family. It can deliver an inhibitory signal to PD-1/B7-1 expressing T cells, resulting in immune suppressive effects. PD-L1 is expressed on activated T cells, B cells, NK cells, DCs, macrophages and bone marrow-derived mast cells. PD-L1 expression is also found on a wide range of human tumors. In addition, studies have shown that PD-L1 expression strongly correlates with unfavorable prognosis in kidney, ovarian, bladder, breast, liver, gastric and pancreatic cancer, but not in non-small cell lung cancer (NSCLC). Most importantly, these studies reveal that higher expression of PD-L1 may facilitate advancement of tumor stage and increase the invasion potential. PD-L1 expression can be induced by many inflammatory mediators and cytokines, of which interferon-γ (IFN-γ) is the most potent.

References
