

Technical Data Sheet

iF647 Anti-Human CD279

Catalog Number: 101405, 101406

Size: 25 tests, 100 tests

Target Name: CD279, PD1, PD-1

Regulatory Status: RUO

Product Details

Clone: 279AM1

Application: FC

Reactivity: Human

Format: iF647

Isotype: Mouse IgG1

Antibody Type: Monoclonal

Formulation: Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and 0.2% (w/v) BSA

Protein Concentration: Supplied at a lot-specific concentration.

Storage&Handling: The antibody solution should be stored undiluted between 2°C and 8°C, and protected from prolonged exposure to light. Do not freeze.

Recommended Usage: For flow cytometric staining, it is recommended to use 5 µL of this reagent per 0.5-1.0 million cells in a 100 µL volume. Optimal reagent performance should be determined by titration for each specific application.

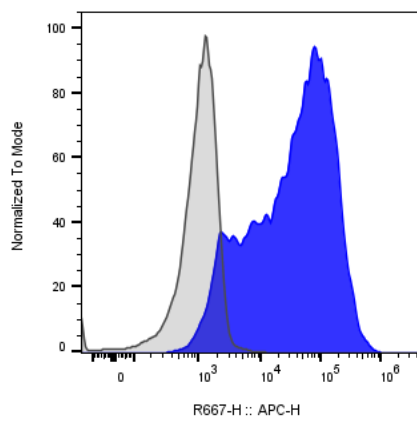
Excitation Laser: Red Laser (633 nm)

Release Date: Dec-25

Background Information

CD279, also known as Programmed cell death 1 (PD-1), cell surface receptor which binds to PD-L1 and PD-L2 ligands; functions as immune checkpoint with important role in down regulating immune system by preventing T-cell activation. Targeted by Nivolumab, Pembrolizumab and other monoclonal antibodies in a new class of cancer drugs. CD279 is expressed predominantly on activated T cells, B cells, and myeloid cells. The interaction with CD279 ligands results in inhibition of T cell proliferation and cytokine secretion.

Product Data



Anti-human CD3 and Anti-Human CD28 stimulated human peripheral blood lymphocytes was stained with CF647 Anti-Human CD279 clone 279AM1 (color-filled histogram) or an isotype control (gray histogram).