

## iF488 Anti-Human CD279 (PD1) Antibody

<b>Catalog Number:</b>	101409, 101410
<b>Size:</b>	25 tests, 100 tests
<b>Target Name:</b>	CD279, PD1, PD-1
<b>Regulatory Status:</b>	RUO

### PRODUCT DETAILS

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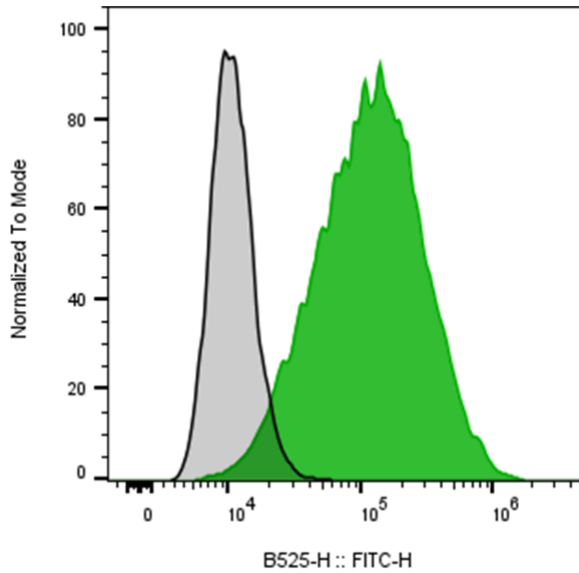
<b>Clone:</b>	279AM1
<b>Application:</b>	Flow Cytometry
<b>Reactivity:</b>	Human
<b>Format:</b>	iF488
<b>Isotype:</b>	Mouse IgG1
<b>Antibody Type:</b>	Monoclonal
<b>Formulation:</b>	Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and 0.2% (w/v) BSA
<b>Protein Concentration:</b>	Supplied at a lot-specific concentration.
<b>Storage&amp;Handling:</b>	The antibody solution should be stored undiluted between 2°C and 8°C, and protected from prolonged exposure to light. Do not freeze.
<b>Recommended Usage:</b>	For flow cytometric staining, it is recommended to use 5 uL 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.
<b>Excitation Laser:</b>	Blue Laser (488 nm)

### BACKGROUND INFORMATION

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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



Human peripheral blood lymphocytes stimulated with plate-coated anti-Human CD3 and CD28 for 3 days was stained with iF488 Anti-Human CD279 clone 279AM1 (color-filled histogram) or an isotype control (gray histogram). Cells were treated with Fc block prior to the antibody staining.

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