

Nur für Forschungszwecke

# CD279 (PD-1) Monoklonaler Antikörper

Katalog-Nr.: FITC-65142



## Allgemeine Informationen

Katalog-Nr.:  
FITC-65142

Größe:  
100µg, 500 µg/ml

Wirt:  
Ratte

Isotyp:  
IgG2b, kappa

GenBank-Zugangsnummer:  
BC119179

GeneID (NCBI):  
18566

Vollständiger Name:  
programmed cell death 1

Reinigungsmethode:  
Protein-A-Reinigung

CloneNo.:  
RMP1-30

Anregungs-/Emissionsmaxima-  
Wellenlängen:  
495 nm / 524 nm

## Anwendungen

Geprüfte Anwendungen:  
FC

Getestete Reaktivität:  
Maus

## Hintergrundinformationen

Programmed cell death 1 (PD-1, also known as CD279) is an immunoinhibitory receptor that belongs to the CD28/CTLA-4 subfamily of the Ig superfamily. It is a 288 amino acid (aa) type I transmembrane protein composed of one Ig superfamily domain, a stalk, a transmembrane domain, and an intracellular domain containing an immunoreceptor tyrosine-based inhibitory motif (ITIM) as well as an immunoreceptor tyrosine-based switch motif (ITSM) (PMID: 18173375). PD-1 is expressed during thymic development and is induced in a variety of hematopoietic cells in the periphery by antigen receptor signaling and cytokines (PMID: 20636820). Engagement of PD-1 by its ligands PD-L1 or PD-L2 transduces a signal that inhibits T-cell proliferation, cytokine production, and cytolytic function (PMID: 19426218). It is critical for the regulation of T cell function during immunity and tolerance. Blockade of PD-1 can overcome immune resistance and also has been shown to have antitumor activity (PMID: 22658127; 23169436).

## Lagerung

Lagerungsbedingungen:

Store at 2-8°C. Avoid exposure to light. Stable for one year after shipment.

Lagerungspuffer:

PBS with 0.09% sodium azide.

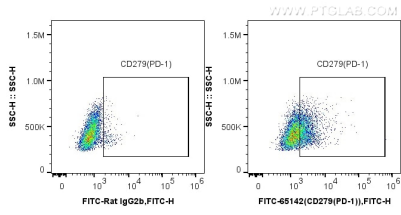
For technical support and original validation data for this product please contact:

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## Ausgewählte Validierungsdaten



1x10<sup>6</sup> Con-A stimulated BALB/c mouse splenocytes were surface stained with 0.5 µg FITC Plus Anti-Mouse CD279 (PD-1) (FITC-65142, Clone: RMP1-30) or isotype control antibody. Cells were not fixed.