

Nur für Forschungszwecke

# CD279 (PD-1) Monoklonaler Antikörper

Katalog-Nr.: PE-65142



## Allgemeine Informationen

<b>Katalog-Nr.:</b> PE-65142	<b>GenBank-Zugangsnummer:</b> BC119179	<b>Reinigungsmethode:</b> Affinitätsreinigung
<b>Größe:</b> 100ug, 0.2 mg/ml	<b>GeneID (NCBI):</b> 18566	<b>CloneNo.:</b> RMP1-30
<b>Wirt:</b> Ratte	<b>Vollständiger Name:</b> programmed cell death 1	<b>Anregungs-/Emissionsmaxima-Wellenlängen:</b> 496 nm, 565 nm / 578 nm
<b>Isotyp:</b> IgG2b		

## 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:**  
Phosphatbasierter Puffer mit 0,09% Natriumazid und 0,1% Gelatine, pH 7,2.

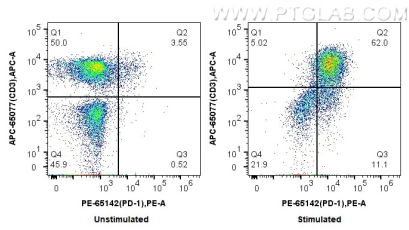
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## Ausgewählte Validierungsdaten



1X10<sup>6</sup> untreated or anti-CD3 (clone: 145-2C11) treated mouse splenocytes were surface stained with APC-anti-mouse CD3 (APC-65077, clone 17A2) and 0.25 ug PE Anti-Mouse CD279 (PD-1) (PE-65142, Clone: RMP1-30). Cells were not fixed.