

Nur für Forschungszwecke

# CD279 Monoklonaler Antikörper

Katalog-Nr.: APC-65168



## Allgemeine Informationen

**Katalog-Nr.:**  
APC-65168

**Größe:**  
100tests, 10 µl/test

**Wirt:**  
Maus

**Isotyp:**  
Mouse IgG1 kappa

**GenBank-Zugangsnummer:**  
BC074740

**GeneID (NCBI):**  
5133

**Vollständiger Name:**  
programmed cell death 1

**Berechnete Masse:**  
288 aa, 32 kDa

**Reinigungsmethode:**

Der gereinigte Antikörper ist mit Allophycocyanin (APC) unter optimalen Bedingungen konjugiert. Das Konjugat wird mit Größenausschluss-Chromatographie gereinigt.

**CloneNo.:**  
EH12.2H7

**Anregungs-/Emissionsmaxima-Wellenlängen:**  
650 nm / 660 nm

## Anwendungen

**Geprüfte Anwendungen:**  
FC

**Getestete Reaktivität:**  
Human, Nicht-Humane Primaten

## 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:**  
Bei 2-8°C lagern. Vor Licht schützen.

**Lagerungspuffer:**  
PBS mit 0,1% Natriumazid.

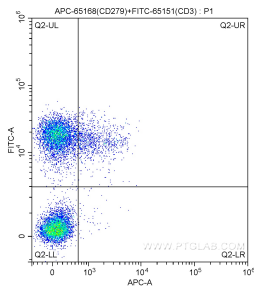
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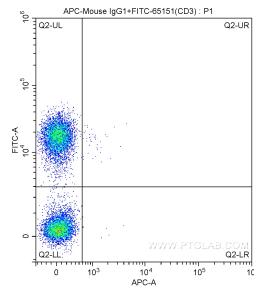
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## Ausgewählte Validierungsdaten



1X10<sup>6</sup> human peripheral blood mononuclear cells (PBMCs) were surface stained with FITC Anti-Human CD3 (FITC-65151, clone UCHT1) and 10.00 ul/test APC Anti-Human CD279 (APC-65168, Clone:EH12.2H7). Cells were not fixed.



1X10<sup>6</sup> human peripheral blood mononuclear cells (PBMCs) were surface stained with FITC Anti-Human CD3 (FITC-65151, clone UCHT1) and APC mouse IgG1 isotype control antibody. Cells were not fixed.