

Nur für Forschungszwecke

# CD279 (PD-1) Monoklonaler Antikörper

Katalog-Nr.:CL488-65119



## Allgemeine Informationen

|                                       |                                                       |                                                                    |
|---------------------------------------|-------------------------------------------------------|--------------------------------------------------------------------|
| <b>Katalog-Nr.:</b><br>CL488-65119    | <b>GenBank-Zugangsnummer:</b><br>BC074740             | <b>Reinigungsmethode:</b><br>Affinitätsreinigung                   |
| <b>Größe:</b><br>100tests , 5 µl/test | <b>GeneID (NCBI):</b><br>5133                         | <b>CloneNo.:</b><br>J110                                           |
| <b>Wirt:</b><br>Maus                  | <b>Vollständiger Name:</b><br>programmed cell death 1 | <b>Anregungs-/Emissionsmaxima-Wellenlängen:</b><br>493 nm / 522 nm |
| <b>Isotyp:</b><br>Mouse IgG1          | <b>Berechnete Masse:</b><br>288 aa, 32 kDa            |                                                                    |

## Anwendungen

**Geprüfte Anwendungen:**

FC

**Getestete Reaktivität:**

Human

## 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 und 0,5% BSA, pH 7,3.

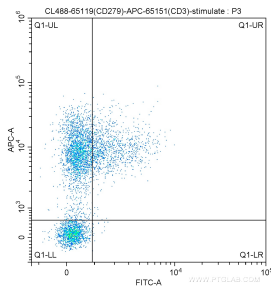
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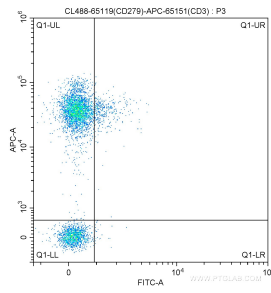
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
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## Ausgewählte Validierungsdaten



$1 \times 10^6$  PHA-stimulated ( $5 \mu\text{g}/\text{mL}$ , overnight) human peripheral blood lymphocytes were surface stained with  $5.00 \mu\text{l}$  CoraLite® Plus 488-conjugated Anti-Human CD279 (PD-1) (CL488-65119, Clone: J110) and APC Anti-Human CD3 (APC-65151, Clone: UCHT1). Cells were not fixed.



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