

Nur für Forschungszwecke

# CD279 (PD-1) Monoklonaler Antikörper

Katalog-Nr.:65119-1-Ig



## Allgemeine Informationen

<b>Katalog-Nr.:</b> 65119-1-Ig	<b>GenBank-Zugangsnummer:</b> BC074740	<b>Reinigungsmethode:</b> Affinitätsreinigung
<b>Größe:</b> 100ug , 500 µg/ml	<b>GeneID (NCBI):</b> 5133	<b>CloneNo.:</b> J110
<b>Wirt:</b> Maus	<b>Vollständiger Name:</b> programmed cell death 1	
<b>Isotyp:</b> IgG1	<b>Berechnete Masse:</b> 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:**  
Store at 2-8°C. Stable for one year after shipment.

**Lagerungspuffer:**  
PBS mit 0,1% Natriumazid, pH 7,3.

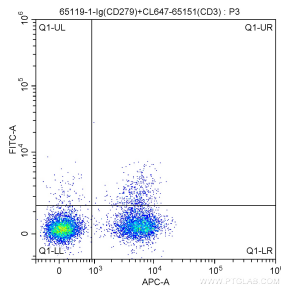
For technical support and original validation data for this product please contact:

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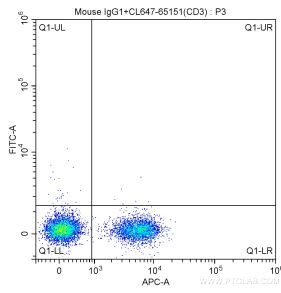
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

**This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.**

## Ausgewählte Validierungsdaten



1X10<sup>6</sup> human peripheral blood lymphocytes were surface stained with CoraLite® Plus 647-conjugated Anti-Human CD3 (CL647-65151, Clone: UCHT1), 0.5 ug Anti-Human CD279 (PD-1) (65119-1-Ig, Clone: J110) and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L) at dilution 1:1000. Cells were not fixed.



1X10<sup>6</sup> human peripheral blood lymphocytes were surface stained with CoraLite® Plus 647-conjugated Anti-Human CD3 (CL647-65151, Clone: UCHT1), 0.5 ug Mouse IgG1 Isotype Control and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L) at dilution 1:1000. Cells were not fixed.