

À des fins de recherche uniquement

# Anticorps Monoclonal anti-CD279 (PD-1)



Numéro de catalogue: **PE-65142**

## Informations de base

Numéro de catalogue:

PE-65142

Taille:

100ug, 0.2 mg/ml

Hôte:

Rat

Isotype:

IgG2b

Numéro d'acquisition GenBank:

BC119179

Identification du gène (NCBI):

18566

Nom complet:

programmed cell death 1

Méthode de purification:

Purification par affinité

CloneNo.:

RMP1-30

Excitation/Emission maxima  
wavelengths:

496 nm, 565 nm / 578 nm

## Applications

Applications testées:

FC

Spécificité de l'espèce:

souris

## Informations générales

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).

## Stockage

Stockage:

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

Tampon de stockage:

Tampon à base de phosphate avec azoture de sodium à 0,09 % et gélatine à 0,1 %, pH 7,2.

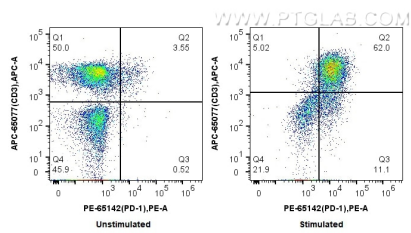
For technical support and original validation data for this product please contact:

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## Données de validation sélectionnées



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.