

Nur für Forschungszwecke

CD279 (PD-1) Monoklonaler Antikörper

Katalog-Nr.: 65142-1-Ig



Allgemeine Informationen

Katalog-Nr.: 65142-1-Ig	GenBank-Zugangsnummer: BC119179	Reinigungsmethode: Protein-A-Reinigung
Größe: 100ug, 0.5 mg/ml	GeneID (NCBI): 18566	CloneNo.: RMP1-30
Wirt: Ratte	Vollständiger Name: programmed cell death 1	
Isotyp: IgG2b, kappa		

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. Stable for one year after shipment.

Lagerungspuffer:
PBS with 0.09% sodium azide.

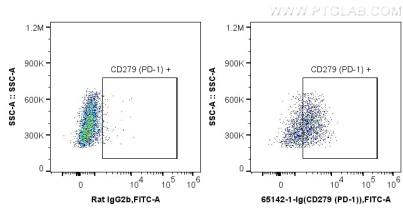
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Ausgewählte Validierungsdaten



1×10^6 Con-A stimulated BALB/c mouse splenocytes were surface stained with 0.5 μ g Anti-Mouse CD279 (PD-1) (65142-1-Ig, Clone: RMP1-30) or 0.5 μ g rat IgG2b isotype control, and FITC anti-rat IgG2b Antibody at dilution 1:100. Cells were not fixed.