À des fins de recherche uniquement

Anticorps Monoclonal anti-CD279

Numéro de catalogue:CL555-65168

proteintech®
Antibodies | ELISA kits | Proteins
www.ptglab.com

Informations de base

Numéro de catalogue:
CL555-65168

Taille:
100tests , 5 ul/test

Hôte:
Mouse

Isotype:
IgG1, kappa

Numéro d'acquisition GenBank:
BC074740

Identification du gène (NCBI):
5133

Nom complet:
programmed cell death 1

MW calculé
288 aa, 32 kDa

Méthode de purification:
Purification par affinité

CloneNo.:
EH12.2H7

Excitation/Emission maxima wavelengths:
554 nm / 570 nm

Applications

Applications testées:
FC

Spécificité de l'espèce:
Humain, primates non humains

Informations générales

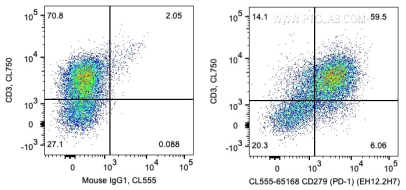
Programmed cell death 1 (PD-1, also known as CD279) is an immunoinhibitory receptor that belongs to the CD28/CTLA-4 subfamily of the Ig superfamily. It is a 288 amino acid (aa) type I transmembrane protein composed of one Ig superfamily domain, a stalk, a transmembrane domain, and an intracellular domain 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

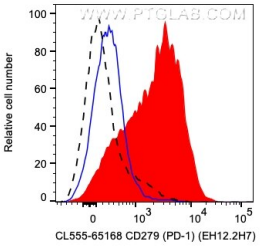
Stockage:
Store at 2-8°C. Avoid exposure to light. Stable for one year after shipment.
Tampon de stockage:
PBS with 0.09% sodium azide and 0.5% BSA.

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

Données de validation sélectionnées



1X10^6 day 3 PHA treated human PBMCs were surface co-stained with CL750 Anti-Human CD3 and 5 ul CoraLite® Plus 555 Anti-Human CD279 (CL555-65168, Clone: EH12.2H7) or Mouse IgG1 Isotype Control. Cells were not fixed. Lymphocytes were gated.



1X10^6 day 3 PHA treated human PBMCs were surface stained with 5 ul CoraLite® Plus 555 Anti-Human CD279 (CL555-65168, Clone: EH12.2H7) (red) or Mouse IgG1 Isotype Control (blue). Unactivated PBMCs were surface stained with 5 ul CoraLite® Plus 555 Anti-Human CD279 (black). Cells were not fixed. Lymphocytes were gated.