For Research Use Only

FcZero-rAb™ APC Anti-Human PD-1/CD279 (EH12.2H7) Rabbit IgG Recombinant Antibody

Catalog Number:APC-FcA65586

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Antibodies | ELISA kits | Proteins
FcZero-rAb
www.ptglab.com

Basic Information

Catalog Number:
APC-FcA65586

Concentration:
100tests, 5 ul/test

Source:
Rabbit

Isotype:
IgG

GenBank Accession Number:
BC074740

GeneID (NCBI):
5133

Full Name:
programmed cell death 1

Calculated MW:
288 aa, 32 kDa

Purification Method:
Protein A purification

CloneNo.:
EH12.2H7

Excitation/Emission maxima wavelengths:
650 nm / 660 nm

Applications

Tested Applications:
FC

Species Specificity:
human

Background Information

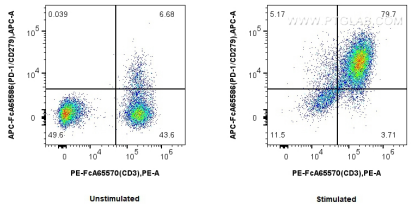
Programmed cell death 1 (PD-1, also known as CD279) is an immunoinhibitory receptor that belongs to the CD28/CTLA-4 subfamily of the Ig superfamily. It is a 288 amino acid (aa) type I transmembrane protein composed of one Ig superfamily domain, a stalk, a transmembrane domain, and an intracellular domain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

Storage

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

For technical support and original validation data for this product please contact:
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

Selected Validation Data



1x10^6 untread or PHA treated human PBMCs were surface stained with FcZero-rAb™ PE Anti-Human CD3 (UCHT1) and 5 ul FcZero-rAb™ APC Anti-Human PD-1/CD279 (EH12.2H7) Rabbit IgG RecAb (APC-FcA65586, Clone:EH12.2H7). Cells were not fixed.