

For Research Use Only

FITC Anti-Human CD279 (EH12.2H7)



Catalog Number: FITC-65168

Basic Information

Catalog Number:
FITC-65168

Size:
100tests , 4 µl/test

Source:
Mouse

Isotype:
Mouse IgG1 kappa

GenBank Accession Number:
BC074740

GeneID (NCBI):
5133

Full Name:
programmed cell death 1

Calculated MW:
288 aa, 32 kDa

Purification Method:
The purified antibody is conjugated with fluorescein isothiocyanate (FITC) under optimum conditions. The conjugate is purified by size-exclusion chromatography.

CloneNo.:
EH12.2H7

Applications

Tested Applications:
FC

Species Specificity:
Non-human primates, 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

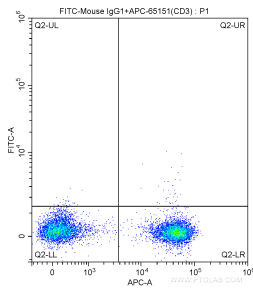
Storage:
Store at 2-8°C. Avoid exposure to light.

Storage Buffer:
PBS with 0.1% sodium azide.

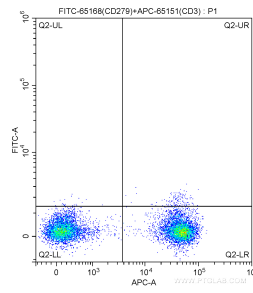
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com
W: ptglab.com

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Selected Validation Data



1X10⁶ human peripheral blood mononuclear cells (PBMCs) were surface stained with APC Anti-Human CD3 (APC-65151, clone UCHT1) and FITC mouse IgG1 isotype control antibody. Cells were not fixed.



1X10⁶ human peripheral blood mononuclear cells (PBMCs) were surface stained with APC Anti-Human CD3 (APC-65151, clone UCHT1) and 4.00 ul/test FITC Anti-Human CD279 (FITC-65168, Clone:EH12.2H7). Cells were not fixed.