

PE/Cyanine7 Rabbit anti-Human/Monkey PD-1/CD279 mAb

Catalog No.: A27661

Basic Information

Observed MW

Calculated MW
32kDa

Category
Primary antibody

Applications
FC

Cross-Reactivity
Human, Cynomolgus

CloneNo number
ARC64145

Conjugate
PE-Cy7. Ex:565nm. Em:778nm.

Background

Programmed cell death protein 1 (PDCD1) is an immune-inhibitory receptor expressed in activated T cells; it is involved in the regulation of T-cell functions, including those of effector CD8+ T cells. In addition, this protein can also promote the differentiation of CD4+ T cells into T regulatory cells. PDCD1 is expressed in many types of tumors including melanomas, and has demonstrated to play a role in anti-tumor immunity. Moreover, this protein has been shown to be involved in safeguarding against autoimmunity, however, it can also contribute to the inhibition of effective anti-tumor and anti-microbial immunity.

Recommended Dilutions

FC 5 µl per 10⁶ cells in
100 µl volume

Immunogen Information

Gene ID 5133	Swiss Prot Q15116
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Immunogen

Recombinant protein (or fragment). This information is considered to be commercially sensitive.

Synonyms

PD1; PD-1; CD279; SLEB2; hPD-1; hPD-I; hSLE1

Contact

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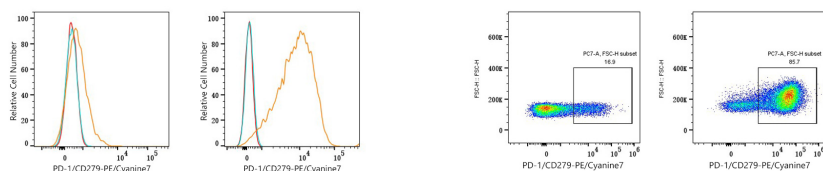
Product Information

Source Rabbit	Isotype IgG	Purification Affinity purification
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Storage

Store at 2-8°C. Avoid freeze.
Buffer: PBS with 0.09% Sodium azide, 0.2% BSA, pH7.3.

Validation Data



Flow cytometry: 1X10⁶ 293T cells (negative control, left) and MOLT-4 cells (right) were surface-stained with PE/Cyanine7 Rabbit anti-Human PD-1/CD279 mAb (A27661, 5 µl/Test, orange line) or PE/Cyanine7 Rabbit IgG isotype control (5 µl/Test, blue line). Non-fluorescently stained cells were used as blank control (red line).

Flow cytometry: 1X10⁶ Human PBMC (untreated, left) and Human PBMC (treated with 5 µg/mL PHA for 72 hours, right) were surface-stained with PE/Cyanine7 Rabbit anti-Human PD-1/CD279 mAb (A27661, 5 µl/Test).