

PerCP/Cyanine5.5 Rabbit anti-Human/Monkey PD-1/CD279 mAb

Catalog No.: A28238

Basic Information

Observed MW

Calculated MW

32 kDa

Category

Primary antibody

Applications

FC

Cross-Reactivity

Human, Cynomolgus

CloneNo number

ARC64145

Conjugate

PerCP-Cy5.5. Ex:482nm. Em:695nm.

Recommended Dilutions

FC 5 μ l per 10^6 cells in
100 μ l volume

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.

Immunogen Information

Gene ID

5133

Swiss Prot

Q15116

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

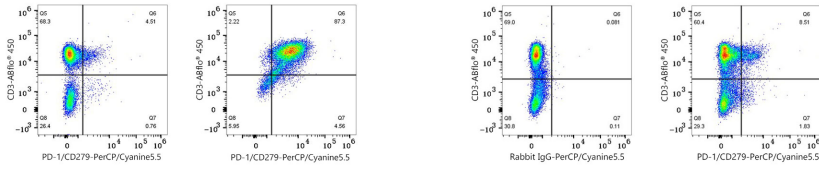
Affinity purification

Storage

Store at 2-8°C. Avoid freeze.

Buffer: PBS with 0.09% Sodium azide, 0.2% BSA, pH7.3.

Validation Data



Flow cytometry: 1×10^6 Human PBMC (untreated, left) and Human PBMC (treated with 5 $\mu\text{g}/\text{mL}$ PHA for 72 hours, right) were surface-stained with ABflo® 450 Rabbit anti-Human/Monkey CD3 mAb (A27177,5 $\mu\text{l}/\text{Test}$) and PerCP/Cyanine5.5 Rabbit anti-Human/Monkey PD-1/CD279 mAb (A28238,5 $\mu\text{l}/\text{Test}$). Cells in the lymphocyte gate were used for analysis.

Flow cytometry: 1×10^6 Cynomolgus PBMC were surface-stained with ABflo® 450 Rabbit anti-Human/Monkey CD3 mAb (A27177,5 $\mu\text{l}/\text{Test}$) and PerCP/Cyanine5.5 Rabbit IgG isotype control (A25620,5 $\mu\text{l}/\text{Test}$, left) or PerCP/Cyanine5.5 Rabbit anti-Human/Monkey PD-1/CD279 mAb (A28238,5 $\mu\text{l}/\text{Test}$, right). Cells in the lymphocyte gate were used for analysis.