

PE/Cyanine7 Rabbit anti-Mouse PD-1/CD279 mAb

Catalog No.: A29419

Basic Information

Observed MW

Calculated MW

Category

Primary antibody

Applications

FC

Cross-Reactivity

Mouse

CloneNo number

ARC80702

Conjugate

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

Background

CD279, also known as programmed death 1 (PD-1), is expressed on activated splenic T cells, B cells, and thymocytes. Its expression can also be induced on activated myeloid cells. PD-1 participates in lymphocyte clonal selection and peripheral tolerance by binding to its ligands B7-H1 (PD-L1) and B7-DC (PD-L2). The interaction between PD-1 and PD-L1 has been reported to be crucial for positive selection and plays a role in shaping the T-cell repertoire. Negative co-stimulation via PD-L1 is essential for the long-term survival of intratesticular islet allografts.

Recommended Dilutions

FC ≤0.25 µg per million cells in
100 µl volume

Immunogen Information

Gene ID

18566

Swiss Prot

Q02242

Immunogen

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

Synonyms

PD-1; Pdc1; Ly101

Contact

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Product Information

Source

Rabbit

Isotype

IgG

Purification

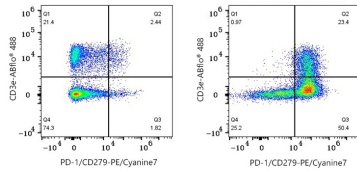
Affinity purification

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 C57BL/6 mouse splenocytes (untreated, left) and C57BL/6 mouse splenocytes (treated with 2 $\mu\text{g}/\text{ml}$ CD3/CD28 for 3 days, right) were surface-stained with ABflo® 488 Rabbit anti-Mouse CD3e mAb (A28704, 0.5 μg) and PE/Cyanine7 Rabbit anti-Mouse PD-1/CD279 mAb (A29419, 0.25 μg).