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FITC Rabbit anti-Mouse PD-1/CD279 mAb

Catalog No.: A28594

Basic Information

Observed MW

Calculated MW
32 kDa

Category
Primary antibody

Applications
FC

Cross-Reactivity
Mouse

CloneNo number
ARC80702

Conjugate
FITC. Ex:491nm. Em:516nm.

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

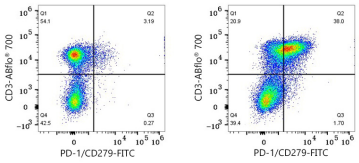
Source
Rabbit

Isotype
IgG

Purification
Affinity purification

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

Validation Data



Flow cytometry: 1X10^6 C57BL/6 mouse splenocytes (untreated,left) and C57BL/6 mouse splenocytes (treated with 2.5 µg/ml Con-A and 20 ng/ml IL-2 for 3 days,right) were surface-stained with ABflo® 700 Rat anti-Mouse CD3 mAb (A27432,5 µl/Test) and FITC Rabbit anti-Mouse PD-1/CD279 mAb (A28594,2.5 µg/ml,right).