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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

400-999-6126

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Product Information

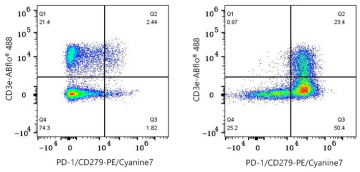
Source
Rabbit

Isotype
IgG

Purification
Affinity purification

Storage
Store at -20℃

Validation Data



Flow cytometry: 1X10^6 C57BL/6 mouse splenocytes (untreated,left) and C57BL/6 mouse splenocytes (treated with 2 µg/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).