

PE Rabbit anti-Mouse CD152/CTLA-4 mAb

Catalog No.: A27774

Basic Information

Observed MW

Calculated MW

24kDa

Category

Primary antibody

Applications

FC

Cross-Reactivity

Mouse

CloneNo number

ARC69140

Conjugate

PE. Ex:565nm. Em:574nm.

Background

CD152, also known as CTLA-4 or Ly-56, is a 33 kDa member of the immunoglobulin superfamily. It is expressed on activated T and B lymphocytes. CD152 exhibits significant homology to CD28 in amino acid sequence, structural configuration, and genomic organization, with both receptors sharing ligands from the B7 family (B7-1 and B7-2). While CD28 delivers co-stimulatory signals during T cell activation, CTLA-4 functions as a critical negative regulator of cell-mediated immune responses. CD152 is implicated in the induction and maintenance of immune tolerance, the development of protective immunity, and the modulation of thymocyte homeostasis.

Recommended Dilutions

FC ≤0.25 µg per million cells
in 100 µl volume

Immunogen Information

Gene ID

12477

Swiss Prot

P09793

Immunogen

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

Synonyms

Ctla4;Cd152;CTLA4

Contact

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Product Information

Source

Rabbit

Isotype

IgG

Purification

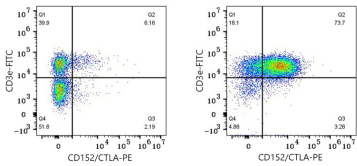
Affinity purification

Storage

Store at 2-8°C. Avoid freeze.

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

Validation Data



Flow cytometry: 1X10⁶ BALB/c mouse splenocytes (untreated,left) and BALB/c mouse splenocytes (treated with 2.5 µg/ml ConA for 3 days,right) were surface-stained with FITC Anti-Mouse CD3e mAb (A23322) or PE Rabbit anti-Mouse CD152/CTLA-4 mAb (A27774,0.25ug).