

# PE Rabbit anti-Mouse CD152/CTLA-4 mAb

Catalog No.: A27774 **1 Publications**

## Basic Information

### Observed MW

### Calculated MW

24kDa

### Category

Primary antibody

### Applications

FC

### Cross-Reactivity

Mouse

### CloneNo number

ARC69140

### Conjugate

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

## Recommended Dilutions

**FC** ≤0.25 µg per million cells  
in 100 µl volume

## 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.

## 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

☎ | 400-999-6126

✉ | [cn.market@abclonal.com.cn](mailto:cn.market@abclonal.com.cn)

🌐 | [www.abclonal.com.cn](http://www.abclonal.com.cn)

## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

Affinity purification

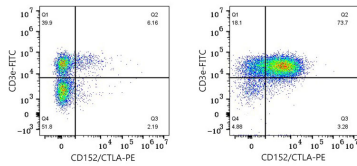
### Storage

Store at 2-8°C. Avoid freeze.

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

## Validation Data

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Flow cytometry: 1X10<sup>6</sup> 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, 0.25 µg).