

## APC Anti-Mouse CD152 Monoclonal Antibody



天津三箭生物技术股份有限公司  
Tianjin Sungene Biotech Co., Ltd.  
精准 高效 稳定 Precision Efficient Stable

Catalog Number	Vial Size
M11521-11A	25 µg
M11521-11C	100 µg

**Market** | 400-621-0003  
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**Important Note:** Centrifuge before opening to ensure complete recovery of vial contents.  
This product is guaranteed up to one year from purchase.

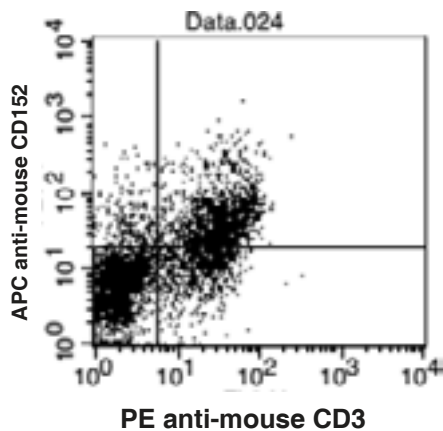
### Purified Antibody Characterization

Clone	Isotype	Reactivity
UC10-4F10-11	Hamster IgG	Mouse

### Description

CD152, also known as CTLA-4 or Ly-56, is a 33 kD member of the immunoglobulin superfamily. It is expressed on activated T and B lymphocytes. CD152 is similar to CD28 in amino acid sequence, structure, and genomic organization and these two receptors share common B7 family counter-receptors (B7-1, B7-2). Whereas CD28 delivers a costimulatory signal in T cell activation, CTLA-4 negatively regulates cell-mediated immune responses. CD152 is thought to play a role in the induction and maintenance of immunological tolerance as well as the development of protective immunity and thymocyte regulation.

### Illustration of Immunofluorescent Staining



Con A (day-2) stimulated BALB/c splenocytes  
stained with APC anti-mouse CD152 and PE anti-  
mouse CD3

### Product Information

**Conjugation:** APC

**Formulation:** PBS pH 7.2, 0.09% NaN<sub>3</sub>,  
0.2% BSA

**Concentration:** 0.2 mg/ml

**Storage:** Keep as concentrated solution.  
Store at 4°C and protected from prolonged  
exposure to light. **Do not freeze.**

**Application:** Recommended Application: FC

**Usage:** Each lot of this antibody is quality  
control tested by immunofluorescent staining  
with flow cytometric analysis (The amount of  
the reagent is suggested to be used ≤ 1.0  
µg/10<sup>6</sup> cells in 100 µl). Since applications  
vary, the appropriate dilutions must be  
determined for individual use.

### References

- [1] Barclay A, et al. 1997. The Leukocyte Antigen FactsBook Academic Press.
- [2] Allison JP, et al. 1995. Science 270:932.
- [3] Waterhouse P, et al. 1995. Science 270:985.
- [4] Linsley PS, et al. 1991. J. Exp. Med. 174:561.

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