

# Rabbit anti-Human CD28 mAb

Catalog No.: A27700 **1 Publications**

## Basic Information

### Observed MW

**Calculated MW**  
25kDa

**Category**  
Primary antibody

**Applications**  
FC, in vitro T cell stimulation/activation

**Cross-Reactivity**  
Human

**CloneNo number**  
ARC5173-07

## Background

The protein encoded by this gene is essential for T-cell proliferation and survival, cytokine production, and T-helper type-2 development. Several alternatively spliced transcript variants encoding different isoforms have been found for this gene.

## Recommended Dilutions

**FC** Recommended starting concentration is 2  $\mu\text{g/mL}$ . Please optimize the concentration based on your specific assay requirements.

## Immunogen Information

Gene ID	Swiss Prot
940	P10747

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

**Synonyms**  
Tp44

## Contact

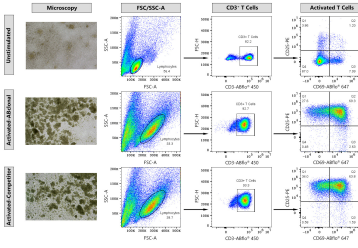
 | 400-999-6126  
 | [cn.market@abclonal.com.cn](mailto:cn.market@abclonal.com.cn)  
 | [www.abclonal.com.cn](http://www.abclonal.com.cn)

## Product Information

Source	Isotype	Purification
Rabbit	IgG	Affinity purification

**Storage**  
Store at 2-8°C. Avoid freeze.  
Buffer: 0.2  $\mu\text{m}$  filtered in phosphate-buffered solution, pH 7.2, containing no preservative.  
Endotoxin Level: Less than 0.01 EU/ $\mu\text{g}$  of the protein (< 0.001 ng/ $\mu\text{g}$  of the protein) as determined by the LAL test.

## Validation Data



Flow cytometry: Human T cells in PBMC were activated using Mouse anti-Human CD3 mAb (A25761,2ug/ml) and Rabbit anti-Human CD28 mAb (A27700,2ug/ml), or competitor's CD3/CD28 antibody for 72 hours. The unstimulated control was performed without treatment. Cells were fluorescently stained with ABflo® 450 Rabbit anti-Human CD3 mAb (A27177,5 µL/Test), PE Rabbit anti-Human CD25 mAb (A26773,5 µL/Test), ABflo® 647 Rabbit anti-Human CD69 mAb (A25892,5 µL/Test). The degree of T cell activation are defined as CD25+CD69+ cells on CD3+ T cells gate.