

For Research Use Only

# Anti-Mouse CD28 Rabbit Recombinant Antibody

Catalog Number: 98195-1-RR



## Basic Information

Catalog Number:

98195-1-RR

Size:

100ug, 1000 µg/ml

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM\_007642.4

GeneID (NCBI):

12487

UNIPROT ID:

P31041

Full Name:

CD28 antigen

Calculated MW:

25 kDa

Purification Method:

Protein A purification

CloneNo.:

241707H6

## Applications

Tested Applications:

FC

Species Specificity:

mouse

## Background Information

CD28 (T-cell-specific surface glycoprotein CD28), also known as T44 and Tp44, is a 44 kD disulfide-linked homodimeric type I glycoprotein (PMID: 2162180). It is a member of the immunoglobulin superfamily and is expressed on most T lineage cells, NK cell subsets, and plasma cells (PMID: 2162180, 8386518). CD28 may affect in vivo immune responses by functioning both as a cell adhesion molecule linking B and T lymphocytes and as the surface component of a novel signal transduction pathway (PMID: 2162180, 3021470). CD28 binds both CD80 and CD86 with a highly conserved motif MYPPY in the CDR3-like loop (PMID: 15696168, 7964482). CD28 is considered a major co-stimulatory molecule, inducing T lymphocyte activation and IL-2 synthesis, and preventing cell death (PMID: 1348520).

## Storage

Storage:

Store at 2 - 8°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.09% sodium azide, pH 7.3.

For technical support and original validation data for this product please contact:

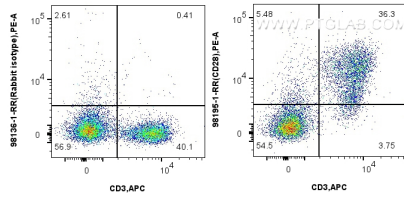
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

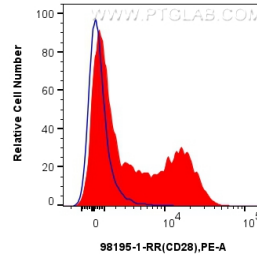
W: [ptgcn.com](http://ptgcn.com)

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## Selected Validation Data



1x10<sup>6</sup> mouse splenocytes were surface stained with 0.25 ug Anti-Mouse CD28 Rabbit Recombinant Antibody (98195-1-RR, Clone: 241707H6) or Rabbit IgG Isotype Control Recombinant Antibody (98136-1-RR, Clone: 240953C9) and PE-Conjugated Goat Anti-Rabbit IgG(H+L). Cells were co-stained with APC Anti-Mouse CD3. Cells were not fixed.



1x10<sup>6</sup> mouse splenocytes were surface stained with 0.25 ug Anti-Mouse CD28 Rabbit Recombinant Antibody (98195-1-RR, Clone:241707H6) (red) or Rabbit IgG Isotype Control Recombinant Antibody (98136-1-RR, Clone: 240953C9) (blue) and PE-Conjugated Goat Anti-Rabbit IgG(H+L). Cells were not fixed.