

For Research Use Only

# Anti-Rat CD47 Rabbit Recombinant Antibody

Catalog Number: 98773-1-RR



## Basic Information

Catalog Number:

98773-1-RR

Concentration:

100ug, 1000 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

EG6110

GenBank Accession Number:

NM\_019195.2

GeneID (NCBI):

29364

UNIPROT ID:

P97829-1

Full Name:

Cd47 molecule

Calculated MW:

35 kDa

Purification Method:

Protein A purification

CloneNo.:

252535G6

Recommended Dilutions:

FC: 0.25 ug per 10<sup>6</sup> cells in a 100 µl suspension

## Applications

Tested Applications:

FC

Species Specificity:

rat

Positive Controls:

FC : rat splenocytes,

## Background Information

CD47, also known as integrin-associated protein (IAP), is a member of the immunoglobulin superfamily containing a five-pass transmembrane attachment. CD47 is heavily glycosylated and widely expressed by hematopoietic and nonhematopoietic cells. CD47 interacts with several membrane integrins and also acts as a receptor for thrombospondin (THBS1). It is involved in a range of cellular processes, including apoptosis, proliferation, adhesion, and migration. CD47 also functions as a ligand for signal regulatory protein- $\alpha$  (SIRP $\alpha$ ). Upon binding CD47, SIRP $\alpha$  initiates a signaling cascade that results in the inhibition of phagocytosis.

## Storage

Storage:

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

Storage Buffer:

PBS with 0.09% sodium azide, pH7.3

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

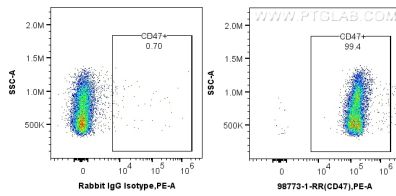
T: 4006900926

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

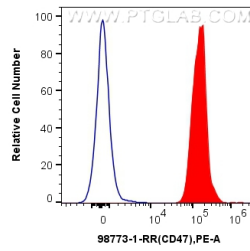
W: [ptgcn.com](http://ptgcn.com)

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## Selected Validation Data



1x10<sup>6</sup> rat splenocytes were surface stained with 0.25 ug Anti-Rat CD47 Rabbit RecAb (98773-1-RR, Clone: 252535G6) or 0.25 ug Rabbit IgG Isotype Control Recombinant Antibody (98136-1-RR, Clone: 240953C9), and PE-Conjugated Goat Anti-Rabbit IgG(H+L). Cells were not fixed.



1x10<sup>6</sup> rat splenocytes were surface stained with 0.25 ug Anti-Rat CD47 Rabbit RecAb (98773-1-RR, Clone: 252535G6) (red) or 0.25 ug 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.