

For Research Use Only

# Anti-Human CD47 Rabbit Recombinant Antibody

Catalog Number: 98131-4-RR



## Basic Information

Catalog Number:

98131-4-RR

Concentration:

100ug, 1000 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

EG1767

GenBank Accession Number:

NM\_001777.4

GeneID (NCBI):

961

UNIPROT ID:

Q08722-1

Full Name:

CD47 molecule

Calculated MW:

35kDa

Purification Method:

Protein A purification

CloneNo.:

251993A9

Recommended Dilutions:

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

## Applications

Tested Applications:

FC

Species Specificity:

human

Positive Controls:

FC : human peripheral blood lymphocytes,

## 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 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:

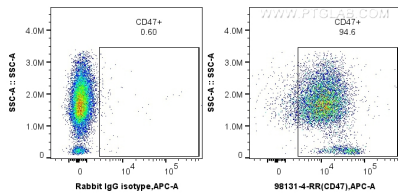
T: 4006900926

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

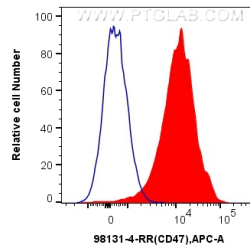
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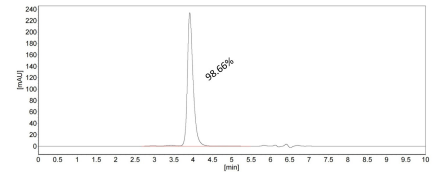
## Selected Validation Data



1x10<sup>6</sup> human peripheral blood lymphocytes were surface stained with 0.25 ug Anti-Human CD47 Rabbit RecAb (98131-4-RR, Clone: 251993A9) or Rabbit IgG Isotype Control RecAb (98136-1-RR, Clone: 240953C9), and APC-Conjugated Goat Anti-Rabbit IgG(H+L). Cells were incubated with FC Receptor Block prior to staining. Cells were not fixed.



1x10<sup>6</sup> human peripheral blood lymphocytes were surface stained with 0.25 ug Anti-Human CD47 Rabbit RecAb (98131-4-RR, Clone:251993A9) (red), or Rabbit IgG Isotype Control RecAb (98136-1-RR, Clone: 240953C9) (blue) and APC-Conjugated Goat Anti-Rabbit IgG(H+L). Cells were incubated with FC Receptor Block prior to staining. Cells were not fixed.



The purity of Human CD47 Recombinant monoclonal antibody (Cat. No. 98131-4-RR) was greater than 95% as determined by SEC-HPLC.