

For Research Use Only

Anti-Human CD47 Rabbit Recombinant Antibody

Catalog Number: 98131-1-RR



Basic Information

Catalog Number:

98131-1-RR

Concentration:

100ug, 1000 ug/ml

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

BC010016

GeneID (NCBI):

961

UNIPROT ID:

Q08722

Full Name:

CD47 molecule

Calculated MW:

323 aa, 35 kDa

Purification Method:

Protein A purification

CloneNo.:

240997D8

Applications

Tested Applications:

FC

Species Specificity:

human

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- α (SIRP α). Upon binding CD47, SIRP α 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, pH 7.3.

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

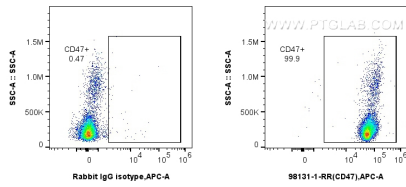
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E: Proteintech-CN@ptglab.com

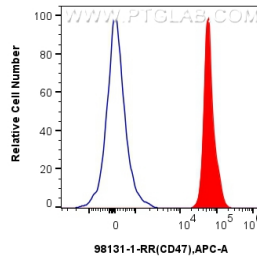
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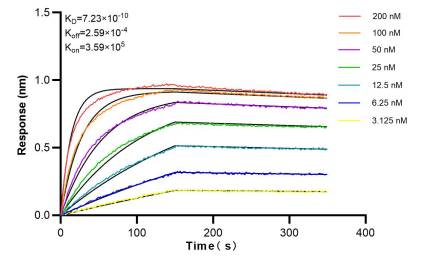
Selected Validation Data



1x10⁶ human PBMCs were surface stained with 0.25 ug Anti-Human CD47 Rabbit Recombinant Antibody (98131-1-RR, Clone: 240997D8) or 0.25 ug Isotype Control, and APC-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L). Cells were incubated with FC Receptor Block prior to staining. Cells were not fixed.



1x10⁶ human PBMCs were surface stained with 0.25 ug Anti-Human CD47 Rabbit Recombinant Antibody (98131-1-RR, Clone:240997D8) (red) or 0.25 ug Isotype Control (blue), and APC-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L). Cells were incubated with FC Receptor Block prior to staining. Cells were not fixed.



Biolayer interferometry (BLI) kinetic assays of 98131-1-RR against Human CD47 were performed. The affinity constant is 0.723 nM.