

For Research Use Only

# Anti-Human CD5 Rabbit Recombinant Antibody, PBS Only

Catalog Number: 98054-1-PBS



## Basic Information

Catalog Number:

98054-1-PBS

Size:

1mg, 2mg/ml

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM\_014207.4

GeneID (NCBI):

921

ENSEMBL Gene ID:

ENSG00000110448

UNIPROT ID:

P06127

Full Name:

CD5 molecule

Calculated MW:

55 kDa

Purification Method:

Protein A purification

CloneNo.:

240428A12

## Applications

Tested Applications:

FC

Species Specificity:

human

## Background Information

CD5 is a type I transmembrane glycoprotein of the scavenger receptor cysteine-rich family (PMID: 12403363). CD5 is expressed on a majority of thymocytes, mature T cells, B cell subsets, and peripheral blood dendritic cells (PMID: 9858516; 6156984; 10379049; 1384337). CD5 may act as a receptor in regulating T-cell proliferation. It functions as a negative regulator of TCR signaling during thymocyte development (PMID: 7542801).

## Storage

Storage:

Store at -80°C.

Storage Buffer:

PBS Only

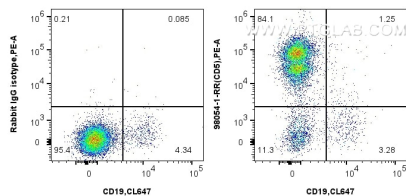
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

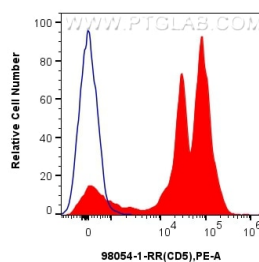
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

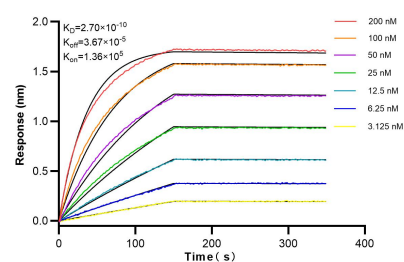
## Selected Validation Data



1x10<sup>6</sup> human PBMCs were surface stained with 0.25 ug Anti-Human CD5 Rabbit Recombinant Antibody (98054-1-RR, Clone: 240428A12) or 0.25 ug Isotype Control, and PE-conjugated Goat Anti-Rabbit IgG. Cells were then stained with CoraLite® Plus 647 Anti-Human CD19. Cells were not fixed. Lymphocytes were gated. This data was developed using the same antibody clone with 98054-1-PBS in a different storage buffer formulation.



1x10<sup>6</sup> human PBMCs were surface stained with 0.25 ug Anti-Human CD5 Rabbit Recombinant Antibody (98054-1-RR, Clone: 240428A12) (red) or 0.25 ug Isotype Control (blue), and PE-conjugated Goat Anti-Rabbit IgG. Cells were not fixed. Lymphocytes were gated. This data was developed using the same antibody clone with 98054-1-PBS in a different storage buffer formulation.



Biolayer interferometry (BLI) kinetic assays of 98054-1-RR against Human CD5 were performed. The affinity constant is 0.27 nM.