

For Research Use Only

# Anti-Mouse CD55 Rabbit Recombinant Antibody, PBS Only

Catalog Number: 98228-1-PBS



## Basic Information

Catalog Number:

98228-1-PBS

Size:

1mg, 2 mg/ml

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM\_010016.3

GeneID (NCBI):

13136

UNIPROT ID:

Q61475

Full Name:

CD55 antigen

Calculated MW:

43kDa

Purification Method:

Protein A purification

CloneNo.:

241808D11

## Applications

Tested Applications:

FC

Species Specificity:

mouse

## Background Information

CD55, also known as DAF, is a glycosylphosphatidylinositol (GPI)-anchored surface glycoprotein that is widely distributed on blood, stroma, epithelial, and endothelial cells (PMID: 7517044; 29503741). It can also exist as a soluble form in plasma, urine, saliva, tears, and synovial fluids (PMID: 29503741). CD55 is a complement regulatory protein (PMID: 2469439; 7517044). It inhibits formation of the C3 convertases through binding to C3b and C4b. It also binds the alternate pathway convertase C3bBb, the classical pathway convertase and C4b2a to accelerate their decay (PMID: 17289551). CD55 also serves as a receptor for coxsackieviruses B1, B3, and B5 and several enteroviruses (PMID: 7538177; 7517044).

## Storage

Storage:

Store at -80°C.

Storage Buffer:

PBS Only

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

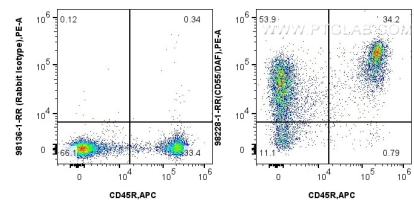
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

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

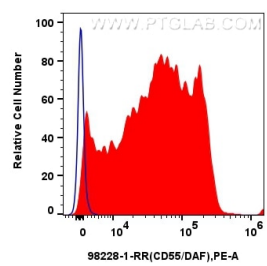
W: [ptglab.com](http://ptglab.com)

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Selected Validation Data



1x10<sup>6</sup> mouse splenocytes were surface stained with 0.25 ug Anti-Mouse CD55 Rabbit Recombinant Antibody (98228-1-RR, Clone: 241808D11) 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 CD45R (B220) (RA3-6B2) (APC-65139, Clone: RA3-6B2). Cells were not fixed. This data was developed using the same antibody clone with 98228-1-PBS in a



1x10<sup>6</sup> mouse splenocytes were surface stained with 0.25 ug Anti-Mouse CD55 Rabbit Recombinant Antibody (98228-1-RR, Clone:241808D11) (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. This data was developed using the same antibody clone with 98228-1-PBS in a different storage buffer formulation.