

For Research Use Only

# Anti-Mouse CD45 Rabbit Recombinant Antibody, PBS Only

Catalog Number: 98035-1-PBS



## Basic Information

Catalog Number:

98035-1-PBS

Concentration:

1mg, 2mg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

EG0845

GenBank Accession Number:

NM\_001111316.2

GeneID (NCBI):

19264

UNIPROT ID:

P06800-4

Full Name:

protein tyrosine phosphatase,  
receptor type, C

Calculated MW:

145 kDa

Purification Method:

Protein A purification

CloneNo.:

240356D1

## Applications

Tested Applications:

FC

Species Specificity:

mouse

## Background Information

CD45, also known as protein tyrosine phosphatase, receptor type C, is a type I transmembrane protein expressed on the surface of all haematopoietic cells with the exception of erythrocytes and platelets (PMID: 3489673; 28615666). CD45 is a pan-haematopoietic cell marker and has been shown to be essential for T- and B-cell activation and signalling (PMID: 9429890; 16378097).

## Storage

Storage:

Store at -80°C.

**The product is shipped with ice packs. Upon receipt, store it immediately at -80°C**

Storage Buffer:

PBS only, pH7.3

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

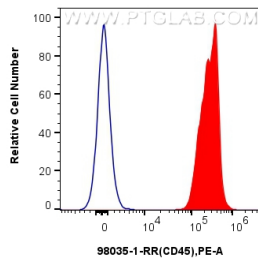
T: 4006900926

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

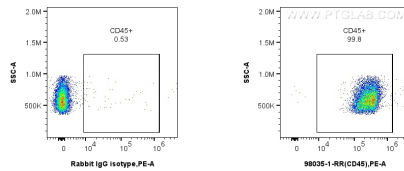
W: [ptgcn.com](http://ptgcn.com)

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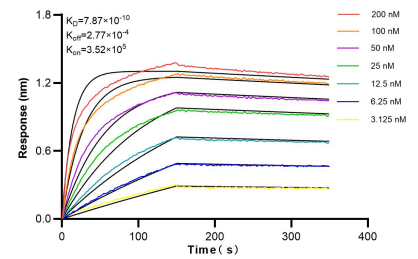
## Selected Validation Data



$1 \times 10^6$  mouse splenocytes were surface stained with 0.25  $\mu$ g Anti-Mouse CD45 Rabbit Recombinant Antibody (98035-1-RR, Clone: 240356D1) (red) or 0.25  $\mu$ g Isotype Control (blue), and PE-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L). Cells were not fixed. This data was developed using the same antibody clone with 98035-1-PBS in a different storage buffer formulation.



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Biolayer interferometry (BLI) kinetic assays of 98035-1 against Mouse CD45 were performed. The affinity constant is 0.787 nM.