

For Research Use Only

# Anti-Human CD45 Rabbit Recombinant Antibody

Catalog Number: 98117-1-RR



## Basic Information

Catalog Number:

98117-1-RR

Size:

100ug, 1000 µg/ml

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

GeneID (NCBI):

5788

ENSEMBL Gene ID:

ENSG00000081237

Full Name:

protein tyrosine phosphatase,  
receptor type, C

Purification Method:

Protein A purification

CloneNo.:

241670E10

Recommended Dilutions:

IF/ICC 1:125-1:500

## Applications

Tested Applications:

IF/ICC, FC

Species Specificity:

human

Positive Controls:

IF/ICC : Jurkat cells,

## 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 2 - 8°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.09% sodium azide, pH 7.3.

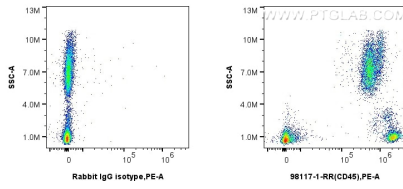
For technical support and original validation data for this product please contact:

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

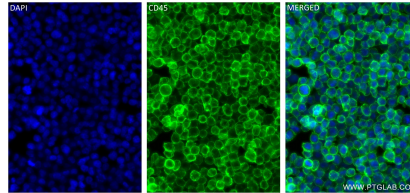
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

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

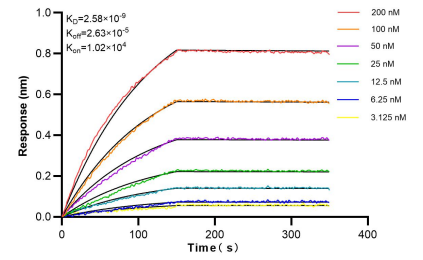
## Selected Validation Data



$1 \times 10^6$  human peripheral blood leukocytes were surface stained with 0.25  $\mu$ g Anti-Human CD45 Rabbit Recombinant Antibody (98117-1-RR, Clone: 241670E10) or 0.25  $\mu$ g Isotype Control, and PE-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L). Cells were incubated with FC Receptor Block prior to staining. Cells were not fixed.



Immunofluorescent analysis of (4% PFA) fixed Jurkat cells using CD45 antibody (98117-1-RR, Clone: 241670E10) at dilution of 1:250 and CoraLite® 488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2).



Biolayer interferometry (BLI) kinetic assays of 98117-1-RR against Human CD45 were performed. The affinity constant is 2.58 nM.