

For Research Use Only

# FcZero-rAb™ PE-Cyanine5 Anti-Mouse CD45 Rabbit Recombinant Antibody

Catalog Number: PY5-FcA98035



## Basic Information

Catalog Number:

PY5-FcA98035

Size:

100ug, 200 ug/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

Recommended Dilutions:

FC: 0.25 ug per 10<sup>6</sup> cells in a 100 µl  
suspension

Excitation/Emission maxima  
wavelengths:

496 nm, 565 nm / 666 nm

## Applications

Tested Applications:

FC

Species Specificity:

mouse

Positive Controls:

FC : mouse splenocytes,

## 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. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:

PBS with 0.09% sodium azide, pH7.3

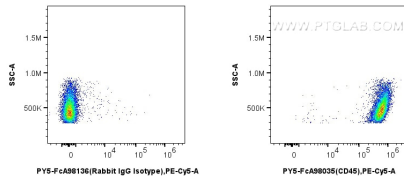
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free  
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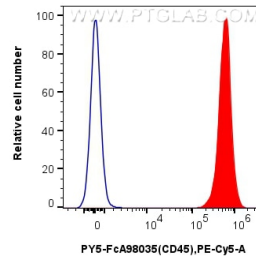
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
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## Selected Validation Data



$1 \times 10^6$  mouse splenocytes were surface stained with 0.25  $\mu$ g PE-Cyanine5 Anti-Mouse CD45 Rabbit RecAb (PY5-FcA98035, Clone: 240356D1) or 0.25  $\mu$ g PE-Cyanine5 Rabbit IgG Isotype Control RecAb (PY5-FcA98136, Clone: 240953C9). Cells were incubated with MonoZero™ Monocytes blocking Reagent (PF00020) prior to staining. Cells were not fixed.



$1 \times 10^6$  mouse splenocytes were surface stained with 0.25  $\mu$ g PE-Cyanine5 Anti-Mouse CD45 Rabbit RecAb (PY5-FcA98035, Clone: 240356D1) (red) or 0.25  $\mu$ g PE-Cyanine5 Rabbit IgG Isotype Control RecAb (PY5-FcA98136, Clone: 240953C9) (blue). Cells were incubated with MonoZero™ Monocytes blocking Reagent (PF00020) prior to staining. Cells were not fixed.