

For Research Use Only

# FcZero-rAb™ APC Anti-Mouse CD45.2 Rabbit Recombinant Antibody

Catalog Number: APC-FcA98168



## Basic Information

**Catalog Number:**

APC-FcA98168

**Concentration:**

100ug, 200 ug/ml

**Source:**

Rabbit

**Isotype:**

IgG

**GenBank Accession Number:**

GeneID (NCBI):

19264

**Full Name:**

protein tyrosine phosphatase,  
receptor type, C

**Purification Method:**

Protein A purification

**CloneNo.:**

240922E12

**Recommended Dilutions:**

FC: 0.1 ug per 10<sup>6</sup> cells in a 100 µl  
suspension

**Excitation/Emission maxima  
wavelengths:**

650 nm / 660 nm

## Applications

**Tested Applications:**

FC

**Species Specificity:**

mouse

**Positive Controls:**

FC : C57BL/6 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). Allelic variants of mouse CD45, CD45.1 (Ly5.1) and CD45.2 (Ly5.1), have been established as a marker system to track haematopoietic cells following congenic mouse bone marrow transplants (PMID: 28615666). CD45.2 is the common form and is expressed by most of the established strains, while CD45.1 is found in only a few like the SJL mouse strain (PMID: 3489673).

## 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 and 0.5% BSA, pH7.3

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

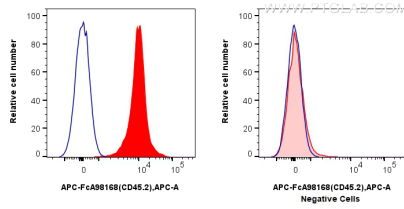
T: 4006900926

E: Proteintech-CN@ptglab.com

W: ptgcn.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> C57BL/6 mouse splenocytes (left) or SJL mouse splenocytes (right) were surface stained with 0.1 ug APC Anti-Mouse CD45.2 Rabbit RecAb (APC-FcA98168, Clone: 240922E12) (red) or 0.1 ug APC Rabbit IgG Isotype Control RecAb (APC-FcA98136, Clone: 240953C9) (blue). Cells were not fixed.