

For Research Use Only

# FcZero-rAb™ APC-Cyanine7 Anti-Mouse CD45 Rabbit Recombinant Antibody

Catalog Number: AY7-FcA98035



## Basic Information

|                           |                  |                           |  |   |  |
|---------------------------|------------------|---------------------------|--|---|--|
| Catalog Number:           | AY7-FcA98035     | GenBank Accession Number: | NM_001111316.2                                 | Purification Method:                    | Protein A purification                                       |
| Concentration:            | 100ug, 200 ug/ml | GenID (NCBI):             | 19264  | CloneNo.:                               | 240356D1   |
| Source:                   | Rabbit           | UNIPROT ID:               | P06800-4                                       | Recommended Dilutions:                  | FC: 0.25 ug per 10 <sup>6</sup> cells in a 100 µl suspension |
| Isotype:                  | IgG              | Full Name:                | protein tyrosine phosphatase, receptor type, C | Excitation/Emission maxima wavelengths: | 650 nm / 778 nm  |
| Immunogen Catalog Number: | EG0845           | Calculated MW:            | 145 kDa  |   |  |

## Applications

|                      |                         |
|----------------------|-------------------------|
| Tested Applications: | Positive Controls:      |
| FC                   | FC : mouse splenocytes, |
| 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

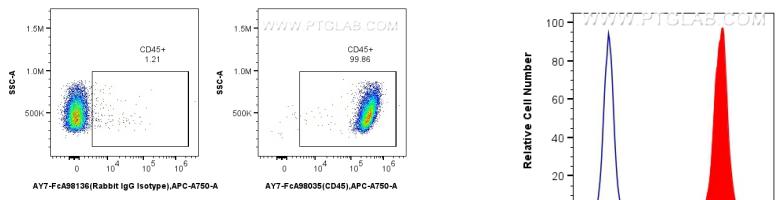
**Storage:**  
Store at 2-8°C. Avoid exposure to light. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.09% sodium azide and 0.5% BSA, pH7.3

For technical support and original validation data for this product please contact:  
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

## Selected Validation Data



$1 \times 10^6$  mouse splenocytes were surface stained with 0.25 ug APC-Cyanine7 Anti-Mouse CD45 Rabbit RecAb (AY7-FcA98035, Clone:240356D1) or FcZero-rAb™ APC-Cyanine7 Rabbit IgG Isotype Control Recombinant Antibody (AY7-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 ug APC-Cyanine7 Anti-Mouse CD45 Rabbit RecAb (AY7-FcA98035, Clone:240356D1) (red) or FcZero-rAb™ APC-Cyanine7 Rabbit IgG Isotype Control Recombinant Antibody (AY7-FcA98136, Clone: 240953C9) (blue). Cells were incubated with MonoZero™ Monocytes blocking Reagent (PF00020) prior to staining. Cells were not fixed.