

For Research Use Only

# FcZero-rAb® PerCP-Cyanine5.5 Anti-Human CD45RA (F8-11-13) Rabbit Recombinant Antibody

Catalog Number:CPY5-FcA65590



## Basic Information

**Catalog Number:**

CPY5-FcA65590

**Concentration:**

100tests, 5 ul/test

**Source:**

Rabbit

**Isotype:**

IgG

**GenBank Accession Number:**

BC014239

**GeneID (NCBI):**

5788

**ENSEMBL Gene ID:**

ENSG00000081237

**UNIPROT ID:**

P08575

**Full Name:**

protein tyrosine phosphatase, receptor type, C

**Calculated MW:**

1304 aa, 147 kDa

**Purification Method:**

Protein A purification

**CloneNo.:**

F8-11-13

**Recommended Dilutions:**

FC: 5 ul per 10<sup>6</sup> cells in a 100 µl suspension

**Excitation/Emission maximum wavelengths:**

482 nm / 690nm

## Applications

**Tested Applications:**

FC

**Species Specificity:**

human

**Positive Controls:**

FC : human PBMCs,

## 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). CD45 exists as multiple isoforms due to alternative splicing of three exons (4, 5, and 6, designated A, B, and C) in the extracellular domain (PMID: 12414720). CD45RA is expressed on naïve T cells, B cells, and monocytes (PMID: 1830500; 14687231).

## 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:

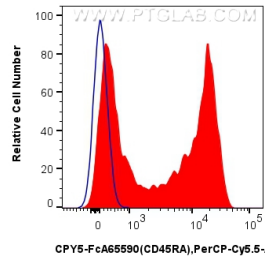
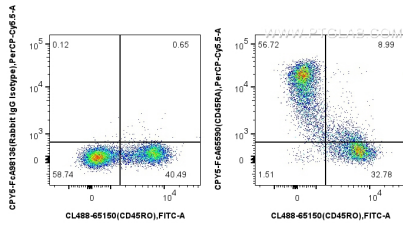
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**This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.**

## Selected Validation Data



$1 \times 10^6$  human PBMCs were surface stained with CoraLite® Plus 488 Anti-Human CD45RO (UCHL1), and 5 ul PerCP-Cyanine5.5 Anti-Human CD45RA (F8-11-13) Rabbit RecAb (CPY5-FcA65590, Clone: F8-11-13) or FcZero-rAb® PerCP-Cyanine5.5 Rabbit IgG Isotype Control Recombinant Antibody (CPY5-FcA98136, Clone: 240953C9). Cells were incubated with MonoZero™ Human/Mouse 3-in-1 Blocking Reagent (PF00029) prior to staining. Cells were not



$1 \times 10^6$  human PBMCs were surface stained with 5 ul PerCP-Cyanine5.5 Anti-Human CD45RA (F8-11-13) Rabbit RecAb (CPY5-FcA65590, Clone: F8-11-13) or FcZero-rAb® PerCP-Cyanine5.5 Rabbit IgG Isotype Control Recombinant Antibody (CPY5-FcA98136, Clone: 240953C9) (blue). Cells were incubated with MonoZero™ Human/Mouse 3-in-1 Blocking Reagent (PF00029) prior to staining. Cells were not fixed.