

For Research Use Only

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

Catalog Number: PY5-FcA98117



## Basic Information

Catalog Number:	PY5-FcA98117	GenBank Accession Number:	
Concentration:	100 tests, 5 $\mu$ l/test	GeneID (NCBI):	5788
Source:	Rabbit	ENSEMBL Gene ID:	ENSG00000081237
Isotype:	IgG	UNIPROT ID:	P08575
Immunogen Catalog Number:	EG2486	Full Name:	protein tyrosine phosphatase, receptor type, C
		Calculated MW:	147 kDa

## Applications

Tested Applications:	FC	Positive Controls:
Species Specificity:	human	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).

## 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:

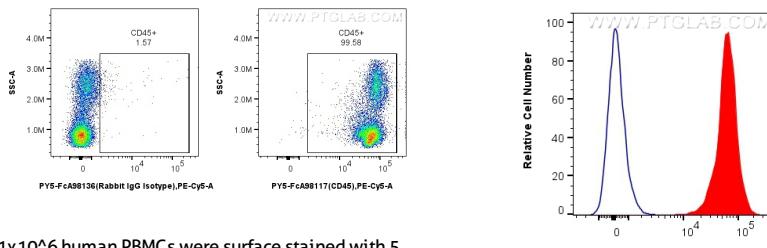
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## Selected Validation Data



$1 \times 10^6$  human PBMCs were surface stained with 5  $\mu$ l PE-Cyanine5 Anti-Human CD45 Rabbit RecAb (PY5-FcA98117, Clone:241670E10) or FcZero-rAb™ PE-Cyanine5 Rabbit IgG Isotype Control Recombinant Antibody (PY5-FcA98136, Clone: 240953C9). Cells were incubated with MonoZero™ Monocytes blocking Reagent (PF00020) prior to staining. Cells were not fixed.

$1 \times 10^6$  human PBMCs were surface stained with 5  $\mu$ l PE-Cyanine5 Anti-Human CD45 Rabbit RecAb (PY5-FcA98117, Clone:241670E10) (red) or FcZero-rAb™ PE-Cyanine5 Rabbit IgG Isotype Control Recombinant Antibody (PY5-FcA98136, Clone: 240953C9) (blue). Cells were incubated with MonoZero™ Monocytes blocking Reagent (PF00020) prior to staining. Cells were not fixed.