For Research Use Only

FcZero-rAb™ PE-Cyanine5.5 Anti-Human CD45 Rabbit Recombinant Antibody



Catalog Number: PY5P5-FcA98117

Basic Information

Catalog Number: PY5P5-FcA98117 Concentration:

100tests, 5 ul/test Source:

Rabbit Isotype:

EG2486

Immunogen Catalog Number:

Calculated MW:

147 kDa

GenBank Accession Number:

protein tyrosine phosphatase,

GeneID (NCBI):

ENSEMBL Gene ID: ENSG00000081237

UNIPROTID:

Full Name:

receptor type, C

P08575

5788

Purification Method:

Protein A purification

CloneNo.: 241670E10

Recommended Dilutions:

FC: 5 ul per 10^6 cells in a 100 µl

suspension

Excitation/Emission maxima

wavelengths:

488 nm, 561 nm / 692 nm

Applications

Tested Applications:

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).

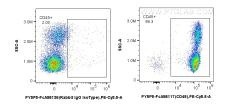
Storage

Storage:

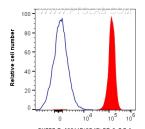
Store at 2-8°C. Avoid exposure to light. Stable for one year after shipment.

PBS with 0.09% sodium azide and 0.5% BSA, pH7.3

Selected Validation Data



1x10^6 human PBMCs were surface stained with 5 ul PE-Cyanine5.5 Anti-Human CD45 Rabbit RecAb (PY5P5-FcA98117, Clone: 241670E10) or Rabbit IgG Isotype Control RecAb (PY5P5-FcA98136, Clone: 240953C9). Cells were incubated with MonoZero™ Monocytes blocking Reagent (PF00020) prior to staining. Cells were not fixed.



1x10^6 human PBMCs were surface stained with 5 ul PE-Cyanine5.5 Anti-Human CD45 Rabbit RecAb (PY5P5-FcA98117, Clone: 241670E10) (red) or Rabbit 1gG Isotype Control RecAb (PY5P5-FcA98136, Clone: 240953C9) (blue). Cells were incubated with MonoZeroTM Monocytes blocking Reagent (PF00020) prior to staining. Cells were not fixed.