

For Research Use Only

FcZero-rAb™ PE-Cyanine7 Anti-Mouse CD45 Rabbit Recombinant Antibody

Catalog Number: PY7-FcA98035 1 Publications



Basic Information

Catalog Number:	PY7-FcA98035	GenBank Accession Number:	NM_001111316.2	Purification Method:	Protein A purification
Concentration:	100ug, 200 ug/ml	GeneID (NCBI):	19264	CloneNo.:	240356D1
Source:	Rabbit	UNIPROT ID:	P06800-4	Recommended Dilutions:	FC: 0.25 ug per 10 ⁶ cells in a 100 µl suspension
Isotype:	IgG	Full Name:	protein tyrosine phosphatase, receptor type, C	Excitation/Emission maxima wavelengths:	496 nm, 565 nm / 778 nm
Immunogen Catalog Number:	EG0845	Calculated MW:	145 kDa		

Applications

Tested Applications:	Positive Controls:
FC	FC : mouse splenocytes,
Cited Applications:	
FC	

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).

Notable Publications

Author	Pubmed ID	Journal	Application
Yujie Luo	40605669	Adv Mater	FC

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:

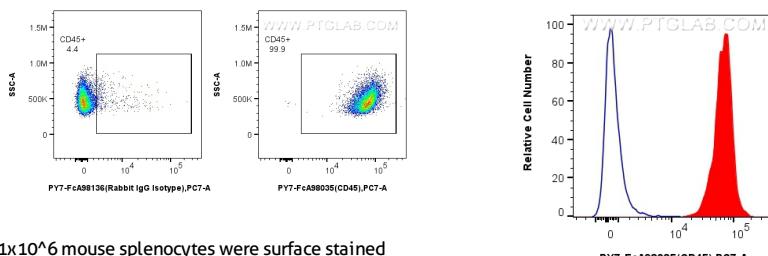
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Selected Validation Data



1x10⁶ mouse splenocytes were surface stained with 0.25 ug PE-Cyanine7 Anti-Mouse CD45 Rabbit RecAb (PY7-FcA98035, Clone: 240356D1) or FcZero-rAb™ PE-Cyanine7 Rabbit IgG Isotype Control Recombinant Antibody (PY7-FcA98136, Clone: 240953C9). Cells were incubated with MonoZero™ Monocytes blocking Reagent (PF00020) prior to staining. Cells were not fixed.

1x10⁶ mouse splenocytes were surface stained with 0.25 ug PE-Cyanine7 Anti-Mouse CD45 Rabbit RecAb (PY7-FcA98035, Clone: 240356D1) (red) or FcZero-rAb™ PE-Cyanine7 Rabbit IgG Isotype Control Recombinant Antibody (PY7-FcA98136, Clone: 240953C9) (blue). Cells were incubated with MonoZero™ Monocytes blocking Reagent (PF00020) prior to staining. Cells were not fixed.