

For Research Use Only

PE Anti-Mouse CD45.1 (A20)

Catalog Number: PE-65092



Basic Information

Catalog Number: PE-65092	GenBank Accession Number: BC028512	Purification Method: Affinity purification
Size: 100ug, 0.2 mg/ml	GeneID (NCBI): 19264	CloneNo.: A20
Source: Mouse	UNIPROT ID: P06800	Excitation/Emission maxima wavelengths: 496 nm, 565 nm / 578 nm
Isotype: IgG2a	Full Name: protein tyrosine phosphatase, receptor type, C	

Applications

Tested 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). Allelic variants of mouse CD45, CD45.1 (Ly5.1) and CD45.2 (Ly5.1), have been established as a marker system to track haematopoietic cells following congenic mouse bone marrow transplants (PMID: 28615666). CD45.2 is the common form and is expressed by most of the established strains, while CD45.1 is found in only a few like the SJL mouse strain (PMID: 3489673).

Storage

Storage:
Store at 2-8°C. Avoid exposure to light.

Storage Buffer:
Phosphate based buffer with 0.09% sodium azide and 0.1% gelatin, pH 7.2.

For technical support and original validation data for this product please contact:

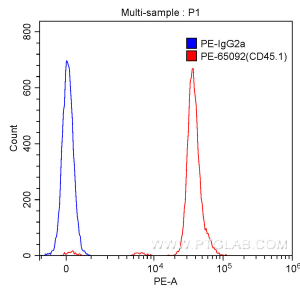
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Selected Validation Data



1×10^6 SJL mouse splenocytes were surface stained with 0.20 μ g PE-Anti-Mouse CD45.1 (PE-65092, clone A20) (red) or 0.20 μ g PE-mouse IgG2a isotype control (blue). Cells were not fixed.