

PE Anti-Mouse CD45.2 (104)

Catalog Number: PE-65072

Basic Information

Catalog Number:

PE-65072

Size:

100ug, 0.2 mg/ml

Source:

Mouse

Isotype:

IgG2a, kappa

GenBank Accession Number:

BC028512

GeneID (NCBI):

19264

UNIPROT ID:

P06800

Full Name:

protein tyrosine phosphatase,
receptor type, C

Purification Method:

Affinity purification

CloneNo.:

104

**Excitation/Emission maxima
wavelengths:**

496 nm, 565 nm / 578 nm

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

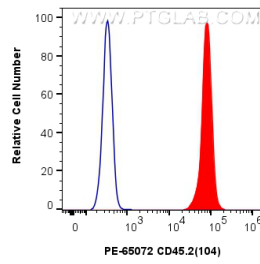
Storage:

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

Storage Buffer:

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

Selected Validation Data



1X10⁶ C57BL/6 mouse splenocytes were surface stained with 0.5 ug PE Anti-Mouse CD45.2 (104) (PE-65072, Clone: 104) (red), or 0.5 ug PE Mouse IgG2a Isotype Control (C1.18.4) (PE-65208) (blue). Cells were not fixed.