

For Research Use Only

CoraLite® Plus 647 Anti-Mouse CD45.2 (104)



Catalog Number: CL647-65072

Basic Information

Catalog Number: CL647-65072	GenBank Accession Number: BC028512	Purification Method: Affinity purification
Size: 100tests , 5 µl/test	GeneID (NCBI): 19264	CloneNo.: 104
Source: Mouse	Full Name: protein tyrosine phosphatase, receptor type, C	Excitation/Emission maxima wavelengths: 654 nm / 674 nm
Isotype: IgG2a		

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

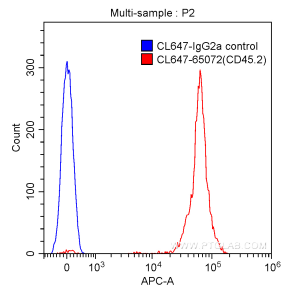
Storage:
Store at 2-8°C. Avoid exposure to light.

Storage Buffer:
PBS with 0.1% sodium azide and 0.5% BSA, pH 7.3.

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



1X10⁶ C57BL/6 mouse splenocytes were surface stained with 5.00 ul CoraLite® Plus 647-conjugated Anti-Mouse CD45.2 (CL647-65072, Clone:104) (red) or isotype control antibody (blue). Cells were not fixed.