

For Research Use Only

FITC Anti-Mouse CD45.1 (A20)

Catalog Number: FITC-65092



Basic Information

Catalog Number:

FITC-65092

Size:

100ug, 0.5 mg/ml

Source:

Mouse

Isotype:

IgG2a

GenBank Accession Number:

BC028512

GeneID (NCBI):

19264

UNIPROT ID:

P06800

Full Name:

protein tyrosine phosphatase, receptor type, C

Purification Method:

Affinity purification

CloneNo.:

A20

Excitation/Emission maxima wavelengths:

494 nm / 520 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.

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:

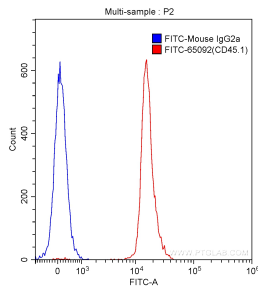
T: 4006900926

E: Proteintech-CN@ptglab.com

W: ptgcn.com

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

Selected Validation Data



1X10⁶ SJL mouse splenocytes were surface stained with 0.13 ug FITC-Anti-Mouse CD45.1 (FITC-65092, clone A20) (red) or 0.13 ug FITC-mouse IgG2a isotype control (blue). Cells were not fixed.