

For Research Use Only

# FITC Plus Anti-Rat CD45 (OX1)

Catalog Number: FITC-65228

1 Publications



## Basic Information

Catalog Number:

FITC-65228

Size:

100ug , 500 µg/mL

Source:

Mouse

Isotype:

IgG1, kappa

GenBank Accession Number:

XM\_006249910

GeneID (NCBI):

24699

UNIPROT ID:

P04157

Full Name:

protein tyrosine phosphatase, receptor type, C

Calculated MW:

143 kDa

Purification Method:

Affinity purification

CloneNo.:

OX1

Recommended Dilutions:

FC: 1 ug per 10<sup>6</sup> cells in 100 µl suspension

Excitation/Emission maxima wavelengths:

495 nm / 524 nm

## Applications

Tested Applications:

FC

Cited Applications:

FC

Species Specificity:

rat

Cited Species:

rat

Positive Controls:

FC : Wistar rat splenocytes,

## 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
Yu Meng	39339434	Molecules	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, pH7.3

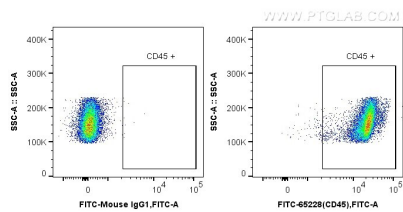
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## Selected Validation Data



1X10<sup>6</sup> Wistar rat splenocytes were surface stained with 1 ug FITC Plus Anti-Rat CD45 (FITC-65228, Clone: OX1) or 1 ug Control Antibody. Cells were not fixed.