

For Research Use Only

Atlantic Blue™ Anti-Rat CD45 (OX1)

Catalog Number: AB-65228



Basic Information

Catalog Number:

AB-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: 0.5 ug per 10⁶ cells in 100 µl
suspension

Excitation/Emission maxima
wavelengths:

404 nm / 458 nm

Applications

Tested Applications:

FC

Species Specificity:

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 signaling (PMID: 9429890; 16378097).

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

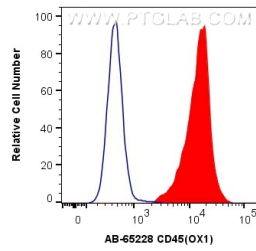
For technical support and original validation data for this product please contact:

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in USA), or 1(312) 455-8498 (outside USA)

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

Selected Validation Data



1X10⁶ Wistar rat splenocytes were surface stained with 0.5 ug Atlantic Blue™ Anti-Rat CD45 (AB-65228, Clone: OX1) (red), or 0.5 ug Control Antibody. Cells were not fixed.