

For Research Use Only

# Atlantic Blue™ Anti-Rat CD45 (OX1)

Catalog Number: AB-65228



## Basic Information

<b>Catalog Number:</b> AB-65228	<b>GenBank Accession Number:</b> XM_006249910	<b>Purification Method:</b> Affinity purification
<b>Size:</b> 100ug, 500 µg/ml	<b>GeneID (NCBI):</b> 24699	<b>CloneNo.:</b> OX1
<b>Source:</b> Mouse	<b>Full Name:</b> protein tyrosine phosphatase, receptor type, C	<b>Excitation/Emission maxima wavelengths:</b> 404 nm / 458 nm
<b>Isotype:</b> IgG1, kappa	<b>Calculated MW:</b> 143 kDa	

## Applications

**Tested Applications:**  
FC

**Species Specificity:**  
Rat

## 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

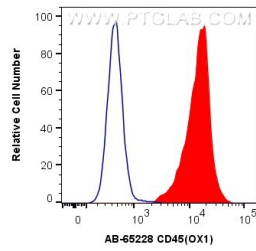
**Storage:**  
Store at 2-8°C. Avoid exposure to light. Stable for one year after shipment.

**Storage Buffer:**  
PBS with 0.09% sodium azide.

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



1X10<sup>6</sup> 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.