

For Research Use Only

# FITC Plus Anti-Mouse CD45R (B220) (RA3-6B2)



Catalog Number: FITC-65139

## Basic Information

<b>Catalog Number:</b> FITC-65139	<b>GenBank Accession Number:</b> BC028512	<b>Purification Method:</b> Affinity purification
<b>Size:</b> 100ug, 0.5 mg/ml	<b>GeneID (NCBI):</b> 19264	<b>CloneNo.:</b> RA3-6B2
<b>Source:</b> Rat	<b>Full Name:</b> protein tyrosine phosphatase, receptor type, C	<b>Excitation/Emission maxima wavelengths:</b> 494 nm / 520 nm
<b>Isotype:</b> IgG2a, kappa		

## Applications

**Tested Applications:**  
FC

**Species Specificity:**  
Human, 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). CD45R (B220) is an isoform of CD45, expressed on murine B-lineage cells (except for plasma cells) and on a small sub-population of T cells (PMID: 6975314; 15712182). It is commonly used as a pan B-cell marker in mice. CD45R is also expressed on activated T cells and NK cell subsets (PMID: 7514808; 17923504). The RA3-6B2 clone reacts with human and mouse CD45R.

## Storage

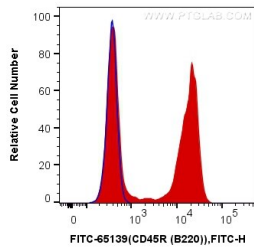
**Storage:**  
Store at 2-8°C. Avoid exposure to light. Stable for one year after shipment.

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

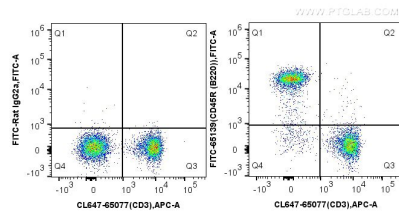
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com W: ptglab.com

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> mouse splenocytes were surface stained with 0.5 ug FITC Anti-Mouse CD45R (B220) (FITC-65139, Clone: RA3-6B2) (red), or 0.5 ug Control Antibody. Cells were not fixed.



1X10<sup>6</sup> C57BL/6 mouse splenocytes were surface stained with CoraLite® Plus 647 Anti-Mouse CD3 (17A2) (CL647-65077, Clone: 17A2) and 0.5 ug FITC-Rat IgG2a isotype control (left) or 0.5 ug FITC Anti-Mouse CD45R (B220) (FITC-65139, Clone: RA3-6B2) (right). Cells were not fixed.