

For Research Use Only

# PE Anti-Mouse CD45R (B220) (RA3-6B2)



Catalog Number: PE-65139

## Basic Information

<b>Catalog Number:</b> PE-65139	<b>GenBank Accession Number:</b> BC028512	<b>Purification Method:</b> Affinity purification
<b>Size:</b> 100ug, 0.2 mg/ml	<b>GeneID (NCBI):</b> 19264	<b>CloneNo.:</b> RA3-6B2
<b>Source:</b> Rat	<b>UNIPROT ID:</b> P06800	<b>Excitation/Emission maxima wavelengths:</b> 496 nm, 565 nm / 578 nm
<b>Isotype:</b> IgG2a, kappa	<b>Full Name:</b> protein tyrosine phosphatase, receptor type, C	

## 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 and 0.5% BSA.

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

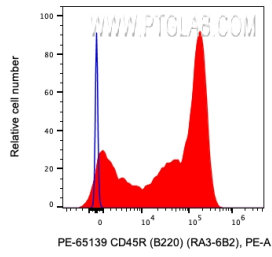
T: 4006900926

E: Proteintech-CN@ptglab.com

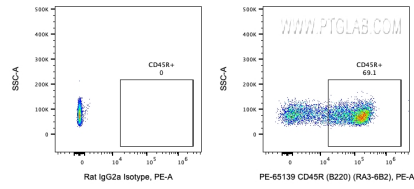
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## Selected Validation Data



1X10<sup>6</sup> mouse splenocytes were surface stained with 0.5 ug PE Anti-Mouse CD45R (B220) (PE-65139, Clone:RA3-6B2) or Rat IgG2a Isotype Control. Cells were not fixed. Lymphocytes were gated.



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