

For Research Use Only

# CoraLite® Plus 555 Anti-Mouse CD45R (B220) (RA3-6B2)

Catalog Number: CL555-65139



## Basic Information

### Catalog Number:

CL555-65139

### Size:

100ug, 0.5 mg/ml

### Source:

Rat

### Isotype:

IgG2a, kappa

### GenBank Accession Number:

BC028512

### GeneID (NCBI):

19264

### UNIPROT ID:

P06800

### Full Name:

protein tyrosine phosphatase, receptor type, C

### Purification Method:

Affinity purification

### CloneNo.:

RA3-6B2

### Recommended Dilutions:

FC: 0.5 ug per 10<sup>6</sup> cells in 100 µl suspension

### Excitation/Emission maxima wavelengths:

554 nm / 570 nm

## Applications

### Tested Applications:

FC

### Species Specificity:

mouse

### Positive Controls:

FC : mouse 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). 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, pH7.3

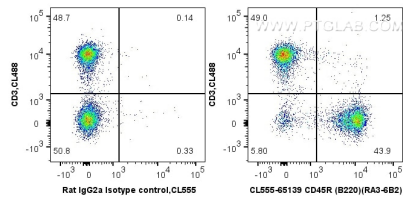
For technical support and original validation data for this product please contact:

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## Selected Validation Data



1X10<sup>6</sup> mouse splenocytes were surface co-stained with CoraLite® Plus 488 Anti-Mouse CD3 and 0.5 ug CoraLite® Plus 555 Anti-Mouse CD45R (B220) (CL555-65139, Clone: RA3-6B2) or 0.5 ug Isotype Control. Cells were not fixed.