

For Research Use Only

APC Anti-Mouse CD45R (B220) (RA3-6B2)



Catalog Number: **APC-65139**

Basic Information

Catalog Number: APC-65139	GenBank Accession Number: BC028512	Purification Method: Affinity purification
Size: 100ug, 0.2 mg/ml	GeneID (NCBI): 19264	CloneNo.: RA3-6B2
Source: Rat	Full Name: protein tyrosine phosphatase, receptor type, C	Excitation/Emission maxima wavelengths: 650 nm / 660 nm
Isotype: 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

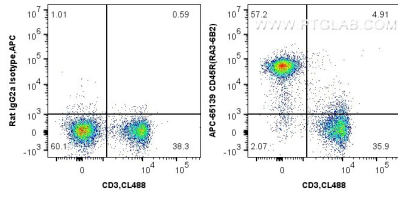
Storage:
Store at 2-8°C. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:
PBS with 0.1% sodium azide and 0.5% BSA.

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
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Selected Validation Data



1X10⁶ mouse splenocytes were surface co-stained with CoraLite® Plus 488 Anti-Mouse CD3 (17A2) and 0.1 ug APC Anti-Mouse CD45R (B220) (APC-65139, Clone:RA3-6B2) or 0.1 ug APC-Rat IgG2a isotype control. Cells were not fixed.