

For Research Use Only

CoraLite® Plus 488 Anti-Mouse CD45R (B220) (RA3-6B2)



Catalog Number: CL488-65139

Basic Information

Catalog Number: CL488-65139	GenBank Accession Number: BC028512	Purification Method: Affinity purification
Size: 100ug, 500 µg/ml	GeneID (NCBI): 19264	CloneNo.: RA3-6B2
Source: Rat	UNIPROT ID: P06800	Recommended Dilutions: IF 1:200-1:800
Isotype: IgG2a, kappa	Full Name: protein tyrosine phosphatase, receptor type, C	Excitation/Emission maxima wavelengths: 493 nm / 522 nm

Applications

Tested Applications: IF, FC	Positive Controls: IF : mouse splenocytes,
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.

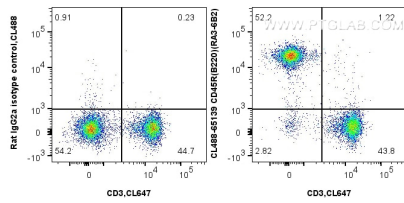
Storage

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, pH 7.3.

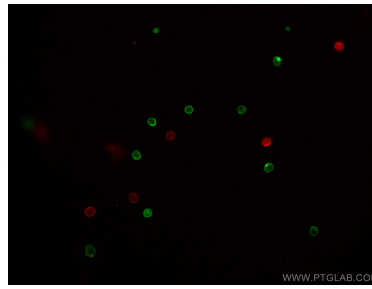
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



1X10⁶ mouse splenocytes were surface stained with 0.5 ug CoraLite® Plus 488 Anti-Mouse CD45R (B220) (CL488-65139, Clone:RA3-6B2) or 0.5 ug CoraLite® Plus 488 Rat IgG2a Isotype Control (2A3) (CL488-65209, Clone: 2A3), and 0.5 ug CoraLite® Plus 647 Anti-Mouse CD3 (17A2) (CL647-65077, Clone: 17A2). Cells were not fixed.



Immunofluorescent analysis of mouse splenocytes using CoraLite® Plus 488-conjugated CD45R (B220) antibody (CL488-65139, Clone: RA3-6B2, green) at dilution of 1:400, and CoraLite® Plus 647-conjugated CD3 antibody (CL647-65077, Clone: 17A2, red).