For Research Use Only

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

Catalog Number:CL555-65139

proteintech®
Antibodies | ELISA kits | Proteins
www.ptglab.com

Basic Information

Catalog Number:
CL555-65139

Size:
100ug , 0.5 mg/ml

Source:
Rat

Isotype:
IgG2a, kappa

GenBank Accession Number:
BC028512

GeneID (NCBI):
19264

Full Name:
protein tyrosine phosphatase, receptor type, C

Purification Method:
Affinity purification

CloneNo.:
RA3-6B2

Excitation/Emission maxima wavelengths:
554 nm / 570 nm

Applications

Tested Applications:
FC

Species Specificity:
Human, Mouse

Background Information

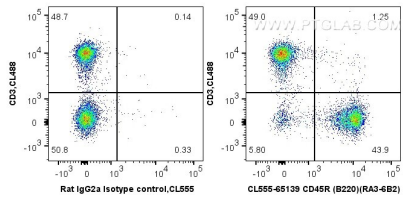
CD45, also known as protein tyrosine phosphatase, receptor type C, is a type I transmembrane protein expressed on the surface of all haematopoietic cells with the exception of erythrocytes and platelets (PMID: 3489673; 28615666). CD45 is a pan-haematopoietic cell marker and has been shown to be essential 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

Selected Validation Data



1X10^6 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.