For Research Use Only

CoraLite®700 Anti-Mouse CD45R (B220) (RA3-6B2)

Catalog Number:CL700-65139

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

Basic Information

Catalog Number:
CL700-65139

Concentration:
100ug, 500 ug/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:
Protein G purification

CloneNo.:
RA3-6B2

Recommended Dilutions:
FC: 0.25 ug per 10^6 cells in a 100 µl suspension

Excitation/Emission maxima wavelengths:
702 nm / 723 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.

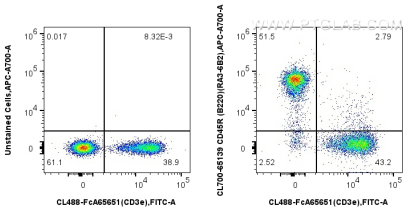
Storage

Storage:
Store at 2-8°C. Avoid exposure to light. Stable for one year after shipment.
Storage Buffer:
PBS with 0.09% sodium azide, pH 7.3.

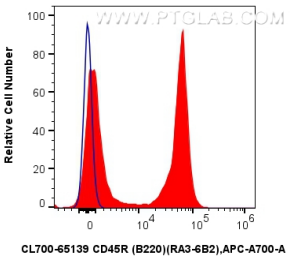
For technical support and original validation data for this product please contact:
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

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

Selected Validation Data



1x10^6 mouse splenocytes were surface stained with 0.25 ug CoraLite®700 Anti-Mouse CD45R (B220) (RA3-6B2) (CL700-65139, Clone: RA3-6B2), and 0.25 ug FcZero-rAb® CoraLite® Plus 488 Anti-Mouse CD3e (145-2C11) Rabbit Recombinant Antibody (CL488-FcA65651, Clone: 145-2C11) or unstained. Cells were not fixed.



1x10^6 mouse splenocytes were surface stained with 0.25 ug CoraLite®700 Anti-Mouse CD45R (B220) (RA3-6B2) (CL700-65139, Clone: RA3-6B2) (red) or unstained (blue). Cells were not fixed.