For Research Use Only

# CoraLite® Plus 647 Anti-Mouse CD45 Rabbit Recombinant Antibody

Catalog Number:CL647-98035

proteintech®
Antibodies | ELISA kits | Proteins
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## Basic Information

Catalog Number:
CL647-98035

Concentration:
100ug, 500 ug/ml

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
EG0845

GenBank Accession Number:
NM_001111316.2

GeneID (NCBI):
19264

UNIPROT ID:
P06800-4

Full Name:
protein tyrosine phosphatase, receptor type, C

Calculated MW:
145 kDa

Purification Method:
Protein A purification

CloneNo.:
240356D1

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

Excitation/Emission maxima wavelengths:
654 nm / 674 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).

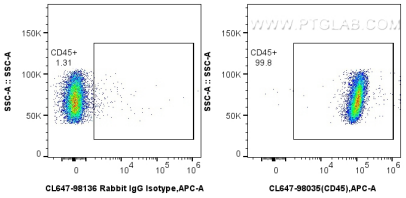
## Storage

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

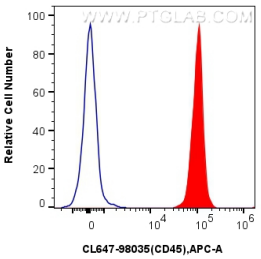
For technical support and original validation data for this product please contact:
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

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® Plus 647 Anti-Mouse CD45 Rabbit RecAb (CL647-98035, Clone: 240356D1) or 0.25 ug CoraLite® Plus 647 Rabbit IgG Isotype Control Recombinant Antibody (CL647-98136, Clone: 240953C9). Cells were not fixed.




1x10^6 mouse splenocytes were surface stained with 0.25 ug CoraLite® Plus 647 Anti-Mouse CD45 Rabbit RecAb (CL647-98035, Clone: 240356D1) (red), or 0.25 ug CoraLite® Plus 647 Rabbit IgG Isotype Control Recombinant Antibody (CL647-98136, Clone: 240953C9) (blue). Cells were not fixed.