For Research Use Only

Anti-Mouse CD45 Rabbit Recombinant Antibody, PBS Only

Catalog Number:98035-1-PBS

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Antibodies | ELISA kits | Proteins
www.ptglab.com

Basic Information

Catalog Number:
98035-1-PBS

Concentration:
1mg, 3 mg/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

Applications

Tested Applications:
FC

Species Specificity:
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).

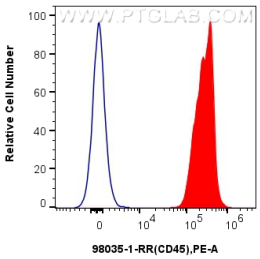
Storage

Storage:
Store at -80°C.
The product is shipped with ice packs. Upon receipt, store it immediately at -80°C
Storage Buffer:
PBS only, pH7.3

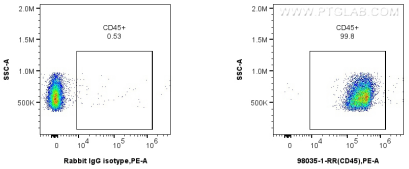
For technical support and original validation data for this product please contact:
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

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

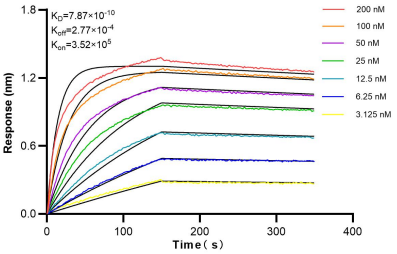
Selected Validation Data



1x10^6 mouse splenocytes were surface stained with 0.25 ug Anti-Mouse CD45 Rabbit Recombinant Antibody (98035-1-RR, Clone: 240356D1) (red) or 0.25 ug Isotype Control (blue), and PE-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L). Cells were not fixed. This data was developed using the same antibody clone with 98035-1-PBS in a different storage buffer formulation.



1x10^6 mouse splenocytes were surface stained with 0.25 ug Anti-Mouse CD45 Rabbit Recombinant Antibody (98035-1-RR, Clone: 240356D1) or 0.25 ug Isotype Control, and PE-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L). Cells were not fixed. This data was developed using the same antibody clone with 98035-1-PBS in a different storage buffer formulation.



Biolayer interferometry (BLI) kinetic assays of 98035-1 against Mouse CD45 were performed. The affinity constant is 0.787 nM.