

For Research Use Only

# Mouse CD45.2 Recombinant antibody, PBS Only

Catalog Number: 84637-1-PBS



## Basic Information

Catalog Number:

84637-1-PBS

Size:

1 mg/ml

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

GeneID (NCBI):

19264

Full Name:

protein tyrosine phosphatase,  
receptor type, C

Observed MW:

200-220 kDa

Purification Method:

Protein A purification

CloneNo.:

241543F9

## Applications

Tested Applications:

WB, Indirect ELISA

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). Allelic variants of mouse CD45, CD45.1 (Ly5.1) and CD45.2 (Ly5.1), have been established as a marker system to track haematopoietic cells following congenic mouse bone marrow transplants (PMID: 28615666). CD45.2 is the common form and is expressed by most of the established strains, while CD45.1 is found in only a few like the SJL mouse strain (PMID: 3489673).

## 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

For technical support and original validation data for this product please contact:

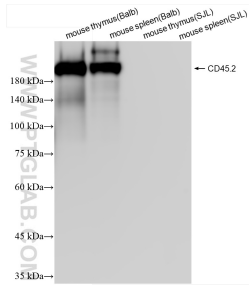
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

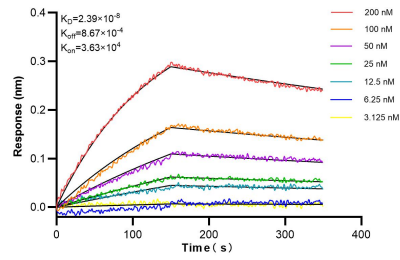
W: [ptgcn.com](http://ptgcn.com)

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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 84637-1-RR (CD45.2 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 84637-1-PBS in a different storage buffer formulation.



Biolayer interferometry (BLI) kinetic assays of 84637-1-RR against Mouse CD45.2 were performed. The affinity constant is 23.9 nM.