

For Research Use Only

# CD45.1 Recombinant antibody

Catalog Number: 84325-1-RR



## Basic Information

<b>Catalog Number:</b> 84325-1-RR	<b>GenBank Accession Number:</b> GeneID (NCBI): 19264	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ul , Concentration: 1000 µg/ml by Nanodrop;	<b>Full Name:</b> protein tyrosine phosphatase, receptor type, C	<b>CloneNo.:</b> 240921B5
<b>Source:</b> Rabbit	<b>Observed MW:</b> 220 kDa	<b>Recommended Dilutions:</b> WB 1:2000-1:10000
<b>Isotype:</b> IgG		

## Applications

<b>Tested Applications:</b> WB, ELISA	<b>Positive Controls:</b> WB : SJL mouse thymus tissue, SJL mouse spleen tissue
<b>Species Specificity:</b> 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

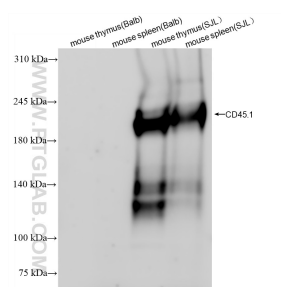
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1%BSA

For technical support and original validation data for this product please contact:  
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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 84325-1-RR (Mouse CD45.1 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.