

For Research Use Only

CD45 Recombinant monoclonal antibody

Catalog Number: 87083-1-RR



Basic Information

Catalog Number:

87083-1-RR

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

EG4666

GenBank Accession Number:

NM_138507.3

GeneID (NCBI):

24699

UNIPROT ID:

P04157-1

Full Name:

protein tyrosine phosphatase,
receptor type, C

Calculated MW:

143 kDa

Observed MW:

180 kDa

Purification Method:

Protein A purification

CloneNo.:

252198C12

Recommended Dilutions:

WB: 1:500-1:2000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

rat

Positive Controls:

WB : rat thymus tissue,

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 -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

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

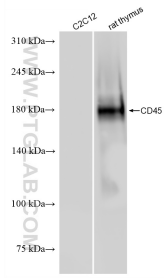
T: 4006900926

E: Proteintech-CN@ptglab.com

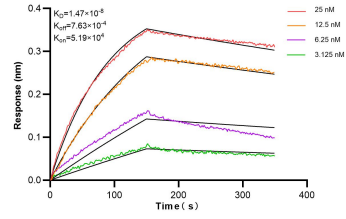
W: ptgcn.com

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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 87083-1-RR (CD45/PTPRC antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Biolayer interferometry (BLI) kinetic assays of 87083-1-RR against Rat CD45 were performed. The affinity constant is 14.7 nM.