

For Research Use Only

CD45 Recombinant monoclonal antibody

Catalog Number: 87083-1-RR



Basic Information

Catalog Number: 87083-1-RR	GenBank Accession Number: NM_138507.3	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 24699	CloneNo.: 252198C12
Source: Rabbit	UNIPROT ID: P04157-1	Recommended Dilutions: WB: 1:500-1:2000
Isotype: IgG	Full Name: protein tyrosine phosphatase, receptor type, C	
Immunogen Catalog Number: EG4666	Calculated MW: 143 kDa	
	Observed MW: 180 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : rat thymus tissue,
Species Specificity: rat	

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

*** 20ul sizes contain 0.1% BSA

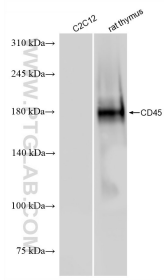
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

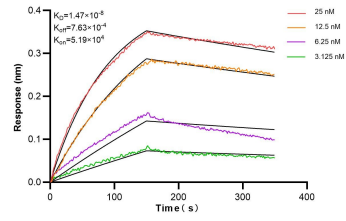
E: proteintech@ptglab.com
W: ptglab.com

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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.