

For Research Use Only

CD5 Recombinant antibody

Catalog Number: 83451-4-RR



Basic Information

Catalog Number:

83451-4-RR

Size:

1000 µg/ml

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM_007650.3

GeneID (NCBI):

12507

UNIPROT ID:

P13379

Full Name:

CD5 antigen

Calculated MW:

54 kDa

Observed MW:

55 kDa, 67 kDa

Purification Method:

Protein A purification

CloneNo.:

240244C2

Recommended Dilutions:

WB 1:500-1:2000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

Mouse

Positive Controls:

WB : EL-4 cells, mouse thymus tissue

Background Information

CD5 is a type I transmembrane glycoprotein of the scavenger receptor cysteine-rich family (PMID: 12403363). CD5 is expressed on a majority of thymocytes, mature T cells, B cell subsets, and peripheral blood dendritic cells (PMID: 9858516; 6156984; 10379049; 1384337). CD5 may act as a receptor in regulating T-cell proliferation. It functions as a negative regulator of TCR signaling during thymocyte development (PMID: 7542801).

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

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

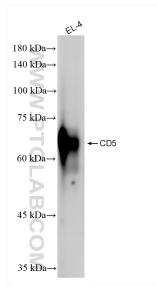
T: 4006900926

E: Proteintech-CN@ptglab.com

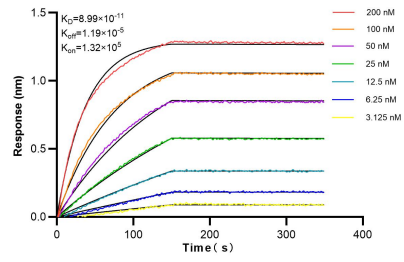
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Selected Validation Data



EL-4 cells were subjected to SDS PAGE followed by western blot with 83451-4-RR (CD5 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Biolayer interferometry (BLI) kinetic assays of 83451-4-RR against Mouse CD5 were performed. The affinity constant is 89.9 pM.