

For Research Use Only

# Mouse CD5 Recombinant antibody, PBS Only



Catalog Number: 83451-4-PBS

## Basic Information

Catalog Number:

83451-4-PBS

Size:

1 mg/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

Purification Method:

Protein A purification

CloneNo.:

240244C2

## Applications

Tested Applications:

WB, ELISA

Species Specificity:

Mouse

## 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 -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:

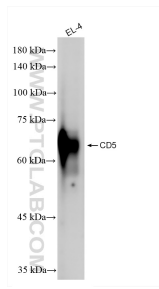
T: 4006900926

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

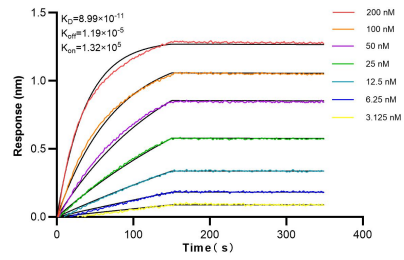
W: [ptgcn.com](http://ptgcn.com)

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## Selected Validation Data



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. This data was developed using the same antibody clone with 83451-4-PBS in a different storage buffer formulation.



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