

For Research Use Only

# Mouse CD5 Recombinant antibody, PBS Only (Detector)

Catalog Number: 83451-3-PBS



## Basic Information

Catalog Number:

83451-3-PBS

Size:

100ug, Concentration: 1 mg/ml by Nanodrop;

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.:

240244D7

## Applications

Tested Applications:

Cytometric bead array, Indirect ELISA

Species Specificity:

mouse

## Product Information

83451-3-PBS targets CD5 as part of a matched antibody pair:

MP00448-1: 83451-1-PBS capture and 83451-3-PBS detection (validated in Cytometric bead array)

MP00448-3: 83451-2-PBS capture and 83451-3-PBS detection (validated in Cytometric bead array)

Unconjugated rabbit recombinant monoclonal antibody in PBS only (BSA and azide free) storage buffer at a concentration of 1 mg/mL, ready for conjugation. Created using Proteintech's proprietary in-house recombinant technology. Recombinant production enables unrivalled batch-to-batch consistency, easy scale-up, and future security of supply.

This conjugation ready format makes antibodies ideal for use in many applications including: ELISAs, multiplex assays requiring matched pairs, mass cytometry, and multiplex imaging applications. Antibody use should be optimized by the end user for each application and assay.

## 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.

Storage Buffer:

PBS Only

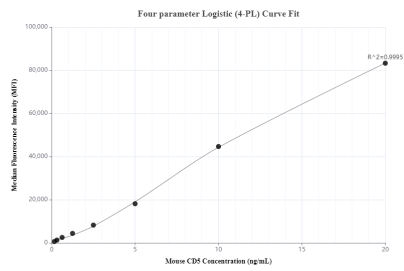
For technical support and original validation data for this product please contact:

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

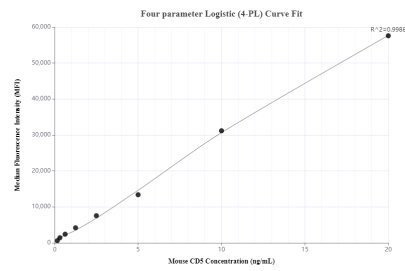
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

# Selected Validation Data



Cytometric bead array standard curve of MP00448-1, MOUSE CD5 Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 83451-1-PBS. Detection antibody: 83451-3-PBS. Standard: Eg0899. Range: 0.156-20 ng/mL



Cytometric bead array standard curve of MP00448-3, MOUSE CD5 Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 83451-2-PBS. Detection antibody: 83451-3-PBS. Standard: Eg0899. Range: 0.156-20 ng/mL