

# Mouse CD5 Recombinant Matched Antibody Pair, PBS Only

Catalog Number: **MP00448-2**

## Capture Antibody Information

Catalog Number: 83451-1-PBS	Clone ID: 240244C4	Conjugate: Unconjugated
Host: Rabbit	Reactivity: mouse	Full name: CD5 antigen
Isotype: IgG	GenBank: NM_007650.3	Gene ID: 12507
Purification Method: Protein A purification	Immunogen Catalog Number: Eg0899	

## Detection Antibody Information

Catalog Number: 83451-2-PBS	Clone ID: 240244F10	Conjugate: Unconjugated
Host: Rabbit	Reactivity: mouse	Full name: CD5 antigen
Isotype: IgG	GenBank: NM_007650.3	Gene ID: 12507
Purification Method: Protein A purification	Immunogen Catalog Number: Eg0899	

## Applications

Tested Applications: Cytometric bead array, Sandwich ELISA	Range: 0.156-20 ng/mL (Cytometric Bead Array) 15.6-1000 pg/mL (Sandwich ELISA)	Recommended Dilutions: It is recommended that this reagent should be titrated in each testing system to obtain optimal results.
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## Product Information

MP00448-2 targets CD5 in immunoassays as a matched antibody pair. Validated in Cytometric bead array, Sandwich ELISA.

Capture antibody: Mouse CD5 Recombinant antibody, PBS Only (Capture) 83451-1-PBS (240244C4). 100 µg. Concentration 1 mg/mL.

Detection antibody: Mouse CD5 Recombinant antibody, PBS Only (Capture/Detector) 83451-2-PBS (240244F10). 100 µg. Concentration 1 mg/mL.

Unconjugated rabbit recombinant monoclonal antibody pair in PBS only 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.

Matched antibody pairs are designed for use in a variety of assays and platforms that require matched antibody pairs.

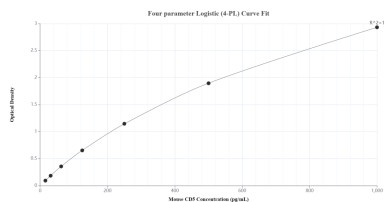
Antibody use should be optimized for each application and assay.

## Storage

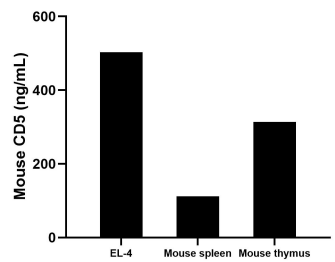
Storage:  
Store at -80°C.  
The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage buffer:  
PBS only

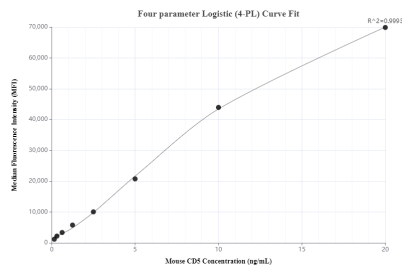
## Selected Validation Data



Sandwich ELISA standard curve of MP00448-2, Mouse CD5 Recombinant Matched Antibody Pair - PBS only. 83451-1-PBS was coated to a plate as the capture antibody and incubated with serial dilutions of standard Eg0899. 83451-2-PBS was HRP conjugated as the detection antibody. Range: 15.6-1000 pg/mL



The mean CD5 concentration was determined to be 502.9 ng/mL in EL-4 cell extract based on a 5.2 mg/mL extract load, 111.7 ng/mL in mouse spleen tissue extract based on a 4.8 mg/mL extract load and 314.2 ng/mL in mouse thymus tissue extract based on a 6 mg/mL extract load.



Cytometric bead array standard curve of MP00448-2, MOUSE CD5 Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 83451-1-PBS. Detection antibody: 83451-2-PBS. Standard: Eg0899. Range: 0.156-20 ng/mL