

For Research Use Only

# Mouse CD71 Recombinant Matched Antibody Pair, PBS Only



Catalog Number:MP01565-1

## Capture Antibody Information

Catalog Number:  
84766-1-PBS

Host:  
Rabbit

Isotype:  
IgG

Purification Method:  
Protein A purification

Clone ID:  
242122B3

Reactivity:  
mouse

Immunogen Catalog Number:  
Eg1064

Conjugate:  
Unconjugated

Full name:  
transferrin receptor

Gene ID:  
22042

## Detection Antibody Information

Catalog Number:  
84766-2-PBS

Host:  
Rabbit

Isotype:  
IgG

Purification Method:  
Protein A purification

Clone ID:  
242122F12

Reactivity:  
mouse

GenBank:  
NM\_011638.4

Immunogen Catalog Number:  
Eg1064

Conjugate:  
Unconjugated

Full name:  
transferrin receptor

Gene ID:  
22042

## Applications

Tested Applications:

Cytometric bead array, Sandwich  
ELISA

Range:

0.781-100 ng/mL (Cytometric Bead  
Array)  
0.625-40 ng/mL (Sandwich ELISA)

Recommended Dilutions:

It is recommended that this reagent  
should be titrated in each testing  
system to obtain optimal results.

## Product Information

MP01565-1 targets CD71 in immunoassays as a matched antibody pair. Validated in Cytometric bead array, Sandwich ELISA.

Capture antibody: Mouse Transferrin R Recombinant antibody, PBS Only (Capture) 84766-1-PBS (242122B3). 100 µg. Concentration 1 mg/mL.

Detection antibody: Mouse Transferrin R Recombinant antibody, PBS Only (Detector) 84766-2-PBS (242122F12). 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.

Storage buffer:  
PBS only

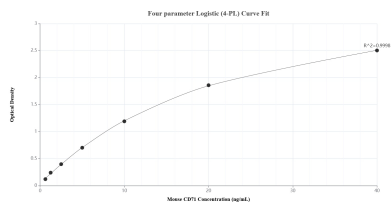
For technical support and original validation data for this product please contact:

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

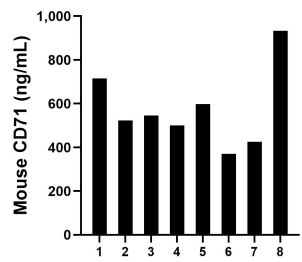
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

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

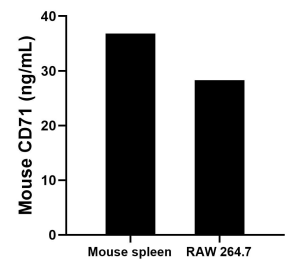
## Selected Validation Data



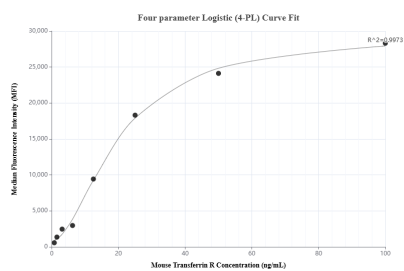
Sandwich ELISA standard curve of MP01565-1, Mouse CD71 Recombinant Matched Antibody Pair - PBS only. 84766-1-PBS was coated to a plate as the capture antibody and incubated with serial dilutions of standard Eg1064. 84766-2-PBS was HRP conjugated as the detection antibody. Range: 0.625-40 ng/mL



Serum of eight mice was measured. The CD71 concentration of detected samples was determined to be 576.45 ng/mL with a range of 370.91-932.73 ng/mL



The mean CD71 concentration was determined to be 36.82 ng/mL in mouse spleen tissue extract based on a 2.90 mg/mL extract load and 28.26 ng/mL in RAW 264.7 cell extract based on a 1.30 mg/mL extract load.



Cytometric bead array standard curve of MP01565-1, MOUSE CD71 Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 84766-1-PBS. Detection antibody: 84766-2-PBS. Standard: Eg1064. Range: 0.781-100 ng/mL