

For Research Use Only

# Mouse Cd44 Recombinant antibody, PBS Only (Detector)

Catalog Number: 85163-1-PBS



## Basic Information

|  |   |   |
|--|---|---|
| <b>Catalog Number:</b><br>85163-1-PBS                          | <b>GenBank Accession Number:</b><br>NM_009851.2 | <b>Purification Method:</b><br>Protein A purification |
| <b>Size:</b><br>100ug , Concentration: 1 mg/ml by<br>Nanodrop; | <b>GeneID (NCBI):</b><br>12505                  | <b>CloneNo.:</b><br>242666C2                          |
| <b>Source:</b><br>Rabbit                                       | <b>UNIPROT ID:</b><br>NP_033981                 |   |
| <b>Isotype:</b><br>IgG   | <b>Full Name:</b><br>CD44 antigen               |   |
|  | <b>Calculated MW:</b><br>86 kDa                 |   |

## Applications

**Tested Applications:**  
Cytometric bead array, Sandwich ELISA, Indirect ELISA,  
Sample test

**Species Specificity:**  
mouse

## Product Information

85163-1-PBS targets Cd44 as part of a matched antibody pair:

MP01873-1: 85163-2-PBS capture and 85163-1-PBS detection (validated in Cytometric bead array)

MP01873-2: 85163-3-PBS capture and 85163-1-PBS detection (validated in Cytometric bead array)

MP01873-3: 85163-4-PBS capture and 85163-1-PBS detection (validated in Sandwich ELISA)

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.

## Storage

**Storage:**  
Store at -80°C.  
**Storage Buffer:**  
PBS Only

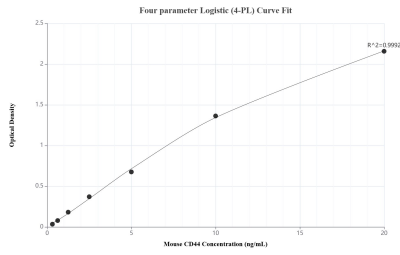
For technical support and original validation data for this product please contact:

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

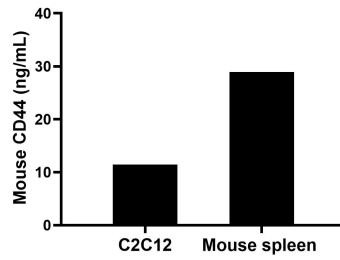
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

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

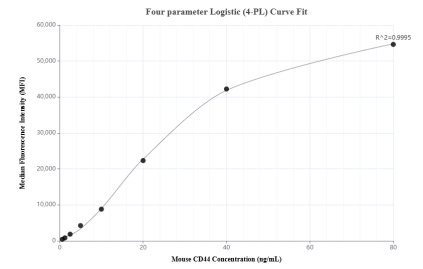
## Selected Validation Data



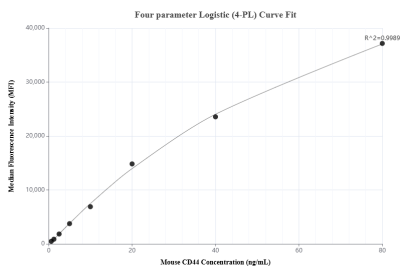
Sandwich ELISA standard curve of MP01873-3, Mouse CD44 Recombinant Matched Antibody Pair - PBS only. 85163-4-PBS was coated to a plate as the capture antibody and incubated with serial dilutions of standard Eg3159. 85163-1-PBS was HRP conjugated as the detection antibody. Range: 0.313-20 ng/mL



The mean CD44 concentration was determined to be 11.46 ng/mL in C2C12 cell extract based on a 1.40 mg/mL extract load and 28.96 ng/mL in mouse spleen cell extract based on a 8.40 mg/mL extract load.



Cytometric bead array standard curve of MP01873-1, MOUSE CD44 Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 85163-2-PBS. Detection antibody: 85163-1-PBS. Standard: Eg3159. Range: 0.625-80 ng/mL



Cytometric bead array standard curve of MP01873-2, MOUSE CD44 Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 85163-3-PBS. Detection antibody: 85163-1-PBS. Standard: Eg3159. Range: 0.625-80 ng/mL