

For Research Use Only

# GPNMB Monoclonal Matched Antibody Pair, PBS Only



Catalog Number:MP50045-1

## Capture Antibody Information

Catalog Number:  
66926-2-PBS

Host:  
Mouse

Isotype:  
IgG1

Purification Method:  
Protein G purification

Clone ID:  
2H3E12

Reactivity:  
Human

GenBank:  
BC011595

Immunogen Catalog Number:  
Ag26747

Conjugate:  
Unconjugated

Full name:  
glycoprotein (transmembrane) nmb

Gene ID:  
10457

Affinity:  
 $K_D = 1.03 \times 10^{-10}$   
 $K_{Off} = 1.53 \times 10^{-6}$   
 $K_{On} = 1.49 \times 10^4$

## Detection Antibody Information

Catalog Number:  
66926-4-PBS

Host:  
Mouse

Isotype:  
IgG2a

Purification Method:  
Protein A purification

Clone ID:  
1E5B9

Reactivity:  
Human

GenBank:  
BC011595

Immunogen Catalog Number:  
Ag26747

Conjugate:  
Unconjugated

Full name:  
glycoprotein (transmembrane) nmb

Gene ID:  
10457

Affinity:  
 $K_D = 8.73 \times 10^{-11}$   
 $K_{Off} = 1.93 \times 10^{-6}$   
 $K_{On} = 2.21 \times 10^4$

## Applications

Tested Applications:  
Sandwich ELISA

Range:  
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.

## Product Information

MP50045-1 targets GPNMB in immunoassays as a matched antibody pair. Validated in Sandwich ELISA.

Capture antibody: GPNMB Monoclonal antibody, PBS Only (Capture) 66926-2-PBS (2H3E12). 100  $\mu$ g. Concentration 1 mg/mL.

Detection antibody: GPNMB Monoclonal antibody, PBS Only (Detector) 66926-4-PBS (1E5B9). 100  $\mu$ g. Concentration 1 mg/mL.

Alternative GPNMB matched antibody pairs: MP50045-2

Unconjugated mouse monoclonal antibody pair in PBS only storage buffer at a concentration of 1 mg/mL, ready for conjugation.

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:

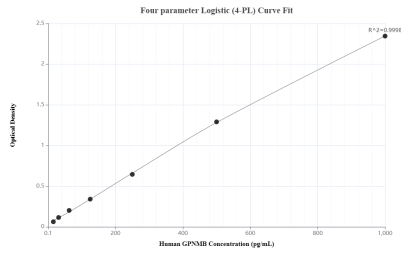
T: 4006900926

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

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

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## Selected Validation Data



Sandwich ELISA standard curve of MP50045-1, GPNMB Monoclonal Matched Antibody Pair - PBS only. 66926-2-PBS was coated to a plate as the capture antibody and incubated with serial dilutions of standard Ag26747. 66926-4-PBS was HRP conjugated as the detection antibody. Range: 15.6-1000 pg/mL