

# Mouse Timp2 Recombinant Matched Antibody Pair, PBS Only

Catalog Number:MP02176-3

## Capture Antibody Information

**Catalog Number:**

85882-4-PBS

**Host:**

Rabbit

**Isotype:**

IgG

**Purification Method:**

Protein A purification

**Clone ID:**

250231D5

**Reactivity:**

mouse

**Immunogen Catalog Number:**

Eg2960

**Conjugate:**

Unconjugated

**Full name:**

tissue inhibitor of metalloproteinase 2

**Gene ID:**

21858

## Detection Antibody Information

**Catalog Number:**

85882-2-PBS

**Host:**

Rabbit

**Isotype:**

IgG

**Purification Method:**

Protein A purification

**Clone ID:**

250231B8

**Reactivity:**

mouse

**GenBank:**

uniprot NM

**Immunogen Catalog Number:**

Eg2960

**Conjugate:**

Unconjugated

**Full name:**

tissue inhibitor of metalloproteinase 2

**Gene ID:**

21858

## Applications

**Tested Applications:**

Sandwich ELISA

**Range:**

78.1-5000 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

MP02176-3 targets Timp2 in immunoassays as a matched antibody pair. Validated in Sandwich ELISA.

Capture antibody: Mouse Timp2 Recombinant antibody, PBS Only (Capture) 85882-4-PBS (250231D5). 100 µg. Concentration 1 mg/mL.

Detection antibody: Mouse Timp2 Recombinant antibody, PBS Only (Capture/Detector) 85882-2-PBS (250231B8). 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:

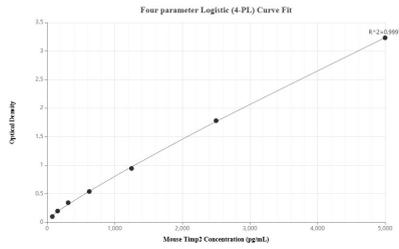
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

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

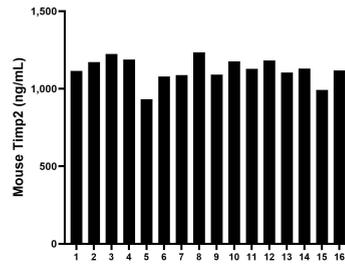
W: [ptglab.com](http://ptglab.com)

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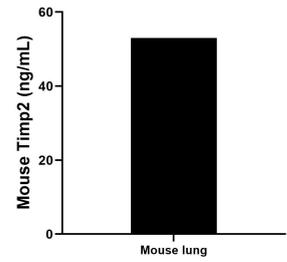
## Selected Validation Data



Sandwich ELISA standard curve of MP02176-3, Mouse Timp2 Recombinant Matched Antibody Pair - PBS only. 85882-4-PBS was coated to a plate as the capture antibody and incubated with serial dilutions of standard Eg2960. 85882-2-PBS was HRP conjugated as the detection antibody. Range: 78.1-5000 pg/mL



Serum of sixteen mice was measured. The mouse Timp2 concentration of detected samples was determined to be 1,122.15 ng/mL with a range of 933.30 - 1,234.19 ng/mL.



Mouse lung tissue (3 lungs in 1-2 mm pieces in 100 mL of medium) was cultured for 5 days in RPMI supplemented with 10% fetal bovine serum, 5  $\mu$ M  $\beta$ -mercaptoethanol, 2 mM L-glutamine, 100 U/mL penicillin, and 100  $\mu$ g/mL streptomycin sulfate. An aliquot of the cell culture supernate was removed, assayed for mouse Timp2, and measured 53.04 ng/mL