

For Research Use Only

# Mouse HO-1/Hmox1 Recombinant Matched Antibody Pair, PBS Only



Catalog Number:MP00318-3

## Capture Antibody Information

Catalog Number:  
83291-4-PBS

Host:  
Rabbit

Isotype:  
IgG

Purification Method:  
Protein A purification

Clone ID:  
240236H1

Reactivity:  
mouse

GenBank:  
NM\_010442.2

Conjugate:  
Unconjugated

Full name:  
heme oxygenase (decycling) 1

Gene ID:  
15368

## Detection Antibody Information

Catalog Number:  
83291-2-PBS

Host:  
Rabbit

Isotype:  
IgG

Purification Method:  
Protein A purification

Clone ID:  
240236G6

Reactivity:  
mouse

GenBank:  
NM\_010442.2

Conjugate:  
Unconjugated

Full name:  
heme oxygenase (decycling) 1

Gene ID:  
15368

## 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

MP00318-3 targets HO-1/Hmox1 in immunoassays as a matched antibody pair. Validated in Sandwich ELISA.

Capture antibody: Mouse HO-1/Hmox1 Recombinant antibody, PBS Only (Capture) 83291-4-PBS (240236H1). 100  $\mu$ g. Concentration 1 mg/ml.

Detection antibody: Mouse HO-1/Hmox1 Recombinant antibody, PBS Only (Detector) 83291-2-PBS (240236G6). 100  $\mu$ g. Concentration 1 mg/ml.

Alternative HO-1/Hmox1 matched antibody pairs: MP00318-1, MP00318-2

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

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

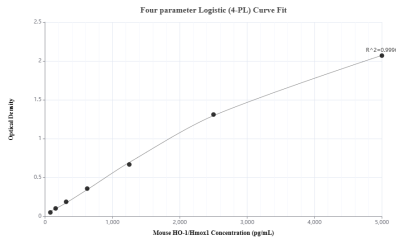
T: 4006900926

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

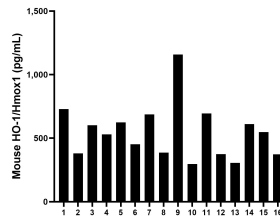
W: [ptgcn.com](http://ptgcn.com)

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

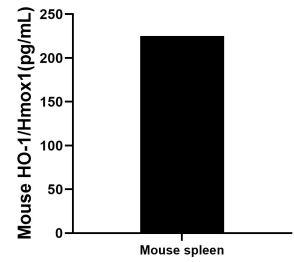
## Selected Validation Data



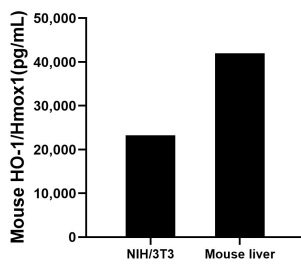
Sandwich ELISA standard curve of MP00318-3, mouse HO-1/Hmox1 Recombinant Matched Antibody Pair - PBS only. 83291-4-PBS was coated to a plate as the capture antibody and incubated with serial dilutions of standard: Eg0938. 83291-2-PBS was HRP conjugated as the detection antibody. Range: 78.1-5000 pg/mL



Serum of sixteen mice was measured. The mouse HO-1/Hmox1 concentration of detected samples was determined to be 547.1 pg/mL with a range of 297.1 - 1,158.6 pg/mL.



Mouse spleen tissue (3 spleen in 1-2 mm pieces in 100 mL of medium) was cultured in RPMI supplemented with 10% fetal bovine serum, 50  $\mu$  M  $\beta$ -mercaptoethanol, 2 mM L-glutamine, 100 U/mL penicillin, and 100  $\mu$  g/mL streptomycin sulfate. An aliquot of the cell culture supernatant was removed, assayed for mouse HO-1/Hmox1, and measured 225.2 pg/mL.



The mean mouse HO-1/Hmox1 concentration was determined to be 23,262.0 pg/mL in NIH/3T3 cell extract based on a 7.8 mg/mL extract load and 41,977.1 pg/mL in mouse liver extract based on a 5 mg/mL extract load.