

For Research Use Only

Mouse Adiponectin Recombinant Matched Antibody Pair, PBS Only



Catalog Number:MP00039-3

Capture Antibody Information

Catalog Number:
83070-6-PBS
Host:
Rabbit
Isotype:
IgG
Purification Method:
Protein A purification

Clone ID:
230258H5
Reactivity:
mouse

Conjugate:
Unconjugated
Full name:
adiponectin, C1Q and collagen domain containing
Gene ID:
11450

Detection Antibody Information

Catalog Number:
83070-3-PBS
Host:
Rabbit
Isotype:
IgG
Purification Method:
Protein A purification

Clone ID:
230258C5
Reactivity:
mouse
GenBank:
NM_009605

Conjugate:
Unconjugated
Full name:
adiponectin, C1Q and collagen domain containing
Gene ID:
11450

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

MP00039-3 targets Adiponectin in immunoassays as a matched antibody pair. Validated in Sandwich ELISA.
Capture antibody: Mouse Adiponectin Recombinant antibody, PBS Only (Capture) 83070-6-PBS (230258H5). 100 µg. Concentration 1 mg/ml.
Detection antibody: Mouse Adiponectin Recombinant antibody, PBS Only (Detector) 83070-3-PBS (230258C5). 100 µg. Concentration 1 mg/ml.
Alternative Adiponectin matched antibody pairs: MP00039-1, MP00039-2
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.

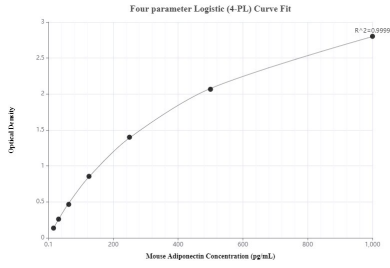
Storage

Storage:
Store at -80°C.
Storage buffer:
PBS only

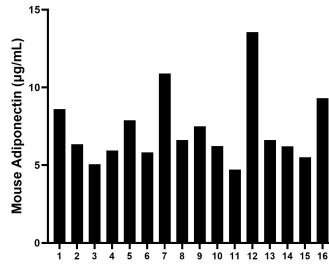
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com W: ptglab.com

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

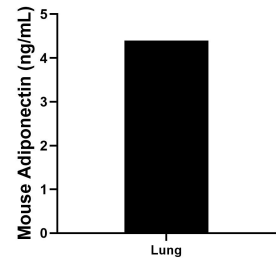
Selected Validation Data



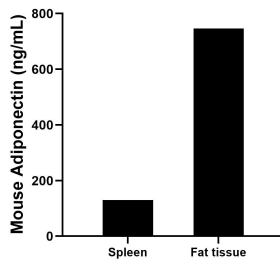
Sandwich ELISA standard curve of MP00039-3, MOUSE Adiponectin Recombinant Matched Antibody Pair - PBS only. 83070-6-PBS was coated to a plate as the capture antibody and incubated with serial dilutions of standard Eg0262. 83070-3-PBS was HRP conjugated as the detection antibody. Range:15.6-1000µg/mL



Serum of sixteen mice was measured. The Adiponectin concentration of detected samples was determined to be 7.30 µg/mL with a range of 4.72-13.56 µg/mL



lungs from one mouse were chopped into 1-2 mm pieces and seeded into approximately 30 mL of media containing RPMI, 10% fetal bovine serum, 50 µM β-mercaptoethanol, and L-glutamine. The mean Adiponectin concentration was determined to be 4.4 ng/mL in lung cell culture supernatant.



Organs from 2 mice were rinsed with PBS to remove excess blood, chopped into 1-2 mm pieces, homogenized in 5-10 mL of PBS in a tissue homogenizer, and stored at ≤ -80°C 5 min. After two freeze-thaw cycles were performed to break the cell membranes, the homogenates were centrifuged for 5 minutes at 5000 x g to remove particulate. The mean Adiponectin concentration was determined to be 130.21 ng/mL in spleen homogenates, 745.9 ng/mL in fat tissue homogenates.

