

For Research Use Only

Mouse Adiponectin Recombinant antibody, PBS Only (Capture)



Catalog Number: 83070-6-PBS

Basic Information

Catalog Number: 83070-6-PBS	GenBank Accession Number: NM_009605	Purification Method: Protein A purification
Size: 100ug , Concentration: 1mg/ml by Nanodrop;	GeneID (NCBI): 11450	CloneNo.: 230258H5
Source: Rabbit	UNIPROT ID: Q60994	
Isotype: IgG	Full Name: adiponectin, C1Q and collagen domain containing	
	Calculated MW: 27kd	

Applications

Tested Applications:
Sandwich ELISA, Indirect ELISA, Sample test

Species Specificity:
mouse

Product Information

83070-6-PBS targets Adiponectin as part of a matched antibody pair:

MP00039-3: 83070-6-PBS capture and 83070-3-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.

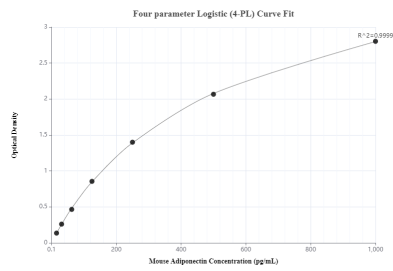
Storage

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

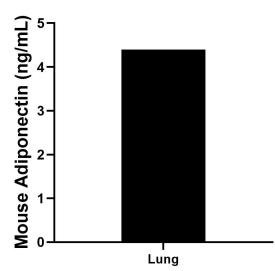
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

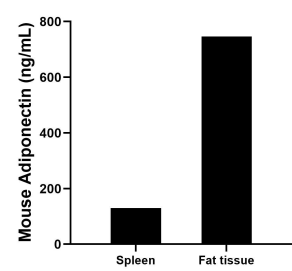
Selected Validation Data



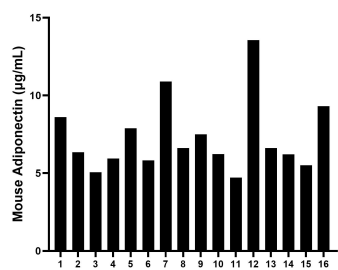
Sandwich ELISA standard curve of MP00039-3, MOUSE Adiponectin Recombinant Matched Antibody Pair - PBS only. 83070-6-PBS was coated to a plate as the capture antibody and incubated with serial dilutions of standard Ego262. 83070-3-PBS was HRP conjugated as the detection antibody. Range:15.6-1000pg/mL



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.



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.