

For Research Use Only

Adiponectin Recombinant antibody, PBS Only (Capture)

Catalog Number:83961-1-PBS



Basic Information

Catalog Number: 83961-1-PBS	GenBank Accession Number: BC096308	Purification Method: Protein A purification
Size: 100ug, Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 9370	CloneNo.: 241082C11
Source: Rabbit	UNIPROT ID: Q15848	
Isotype: IgG	Full Name: adiponectin, C1Q and collagen domain containing	
Immunogen Catalog Number: AG16304	Calculated MW: 244 aa, 26 kDa	

Applications

Tested Applications:
IF/ICC, Cytometric bead array, Indirect ELISA

Species Specificity:
human, mouse

Product Information

83961-1-PBS targets Adiponectin as part of a matched antibody pair:

MP00919-1: 83961-1-PBS capture and 83961-2-PBS detection (validated in Cytometric bead array)

MP00919-2: 83961-1-PBS capture and 83961-3-PBS detection (validated in Cytometric bead array)

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.

Background Information

Adiponectin (AdipoQ), an adipocyte-derived hormone, is one of the most abundant adipokines in the blood circulation. Adiponectin modulates a number of metabolic processes, including improving INS sensitivity and anti-inflammatory activity. The role of AdipoQ in reproduction is not yet fully understood, but the expression of AdipoQ in reproductive tissues has been observed in various animals and humans, including chicken testis, bovine ovary, and human placenta. Adiponectin exerts its effects by activating a range of different signaling molecules via binding to two transmembrane AdipoQ receptors, AdipoR1 and AdipoR2. AdipoR1 is expressed primarily in the skeletal muscle, whereas AdipoR2 is predominantly expressed in the liver. AdipoQ May play a role in cell growth, angiogenesis and tissue remodeling by binding and sequestering various growth factors.

Storage

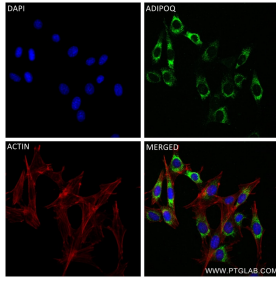
Storage:
Store at -80°C.

Storage Buffer:
PBS Only

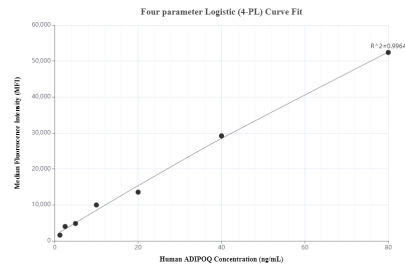
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com W: ptglab.com

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

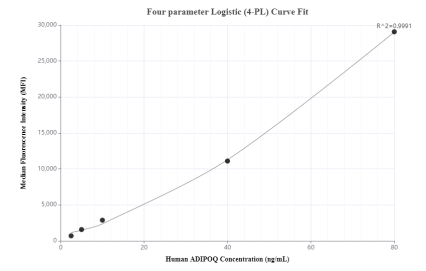
Selected Validation Data



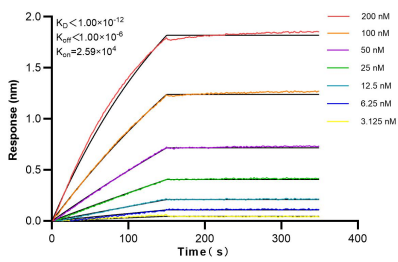
Immunofluorescent analysis of (4% PFA) fixed 3T3-L1 cells using Adiponectin antibody (83961-1-RR, Clone: 241082C11) at dilution of 1:250 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red). This data was developed using the same antibody clone with 83961-1-PBS in a different storage buffer formulation.



Cytometric bead array standard curve of MP00919-1, Adiponectin Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 83961-1-PBS. Detection antibody: 83961-2-PBS. Standard: Ag16304. Range: 1.25-80 ng/mL.



Cytometric bead array standard curve of MP00919-2, Adiponectin Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 83961-1-PBS. Detection antibody: 83961-3-PBS. Standard: Ag16304. Range: 2.5-80 ng/mL.



Biolayer interferometry (BLI) kinetic assays of 83961-1-RR against Human Adiponectin were performed. The affinity constant is below 1 pM.