

For Research Use Only

# Adiponectin Recombinant antibody, PBS Only (Capture)

Catalog Number: 83961-1-PBS



## Basic Information

Catalog Number:

83961-1-PBS

Size:

1 mg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG16304

GenBank Accession Number:

BC096308

GeneID (NCBI):

9370

UNIPROT ID:

Q15848

Full Name:

adiponectin, C1Q and collagen domain containing

Calculated MW:

244 aa, 26 kDa

Purification Method:

Protein A purification

CloneNo.:

241082C11

## Applications

Tested Applications:

IF/ICC, Cytometric bead array, Indirect ELISA

Species Specificity:

human, mouse

## 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.

**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:

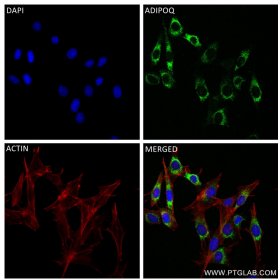
T: 4006900926

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

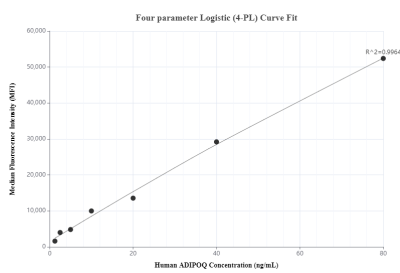
W: [ptgcn.com](http://ptgcn.com)

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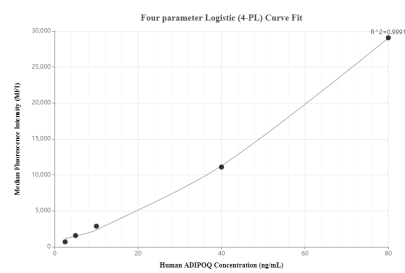
Selected Validation Data



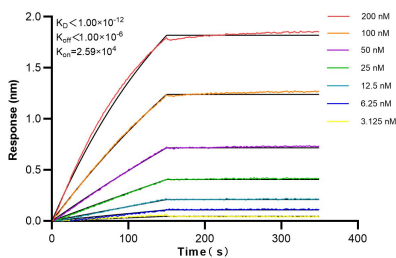
Immunofluorescent analysis of (4% PFA) fixed 3T3-L1 cells using Adiponectin antibody (83961-1-RR, Clone: 241082C11 ) at dilution of 1:250 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red). This data was developed using the same antibody clone with 83961-1-PBS in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