



## **Acrp30 (Adipocyte Complement-related Protein of 30kD, Adiponectin, AdipoQ, apM1, Gelatin Binding Protein 28, GPB28)**

### **Catalog number**

A0891-01A

### **Supplier**

United States Biological

Adiponectin (also known as Acrp30) is a 244 amino acid major adipokine secreted into the bloodstream from adipose tissue to modulate metabolism, including glucose regulation and fatty acid catabolism. Unlike most other adipokines, adiponectin is secreted exclusively by differentiating adipocytes at reduced levels during obesity. The serum level of adiponectin is inversely correlated with BMI (body mass index) of an individual, and has an anti-inflammatory action, playing an important role in type II diabetes (insulin sensitivity) and atherosclerosis.

### **Applications**

Suitable for use in ELISA. Other applications have not been tested.

### **Recommended Dilution**

Optimal dilutions to be determined by the researcher.

### **Hybridoma**

Sp2/0 myeloma cells with spleen cells from Balb/c mice.

### **Storage and Stability**

May be stored at 4°C for short-term only. Aliquot to avoid repeated freezing and thawing. Store at -20°C. Aliquots are stable for 12 months after receipt. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.

### **Immunogen**

Recombinant protein corresponding to human Acrp30 purified from E. coli.

### **Formulation**

Supplied as a liquid in PBS, pH7.4, 0.09% sodium azide.

### **Purity**

Purified by Protein A chromatography from tissue culture supernatant.

### **Specificity**

Recognizes human Acrp30.

### **Product Type**

Mab

### **Source**



human

**Isotype**

IgG2a

**Grade**

Affinity Purified

**Applications**

E

**Crossreactivity**

Hu

**Storage**

-20°C

**Reference**

1. Lihn, A.S. et al. (2005) Adiponectin: action, regulation and association to insulin sensitivity. *Obes. Rev.* 6: 13-21. 2. Trayhurn, P. and Wood, I.S. (2005) Signalling role of adipose tissue: adipokines and inflammation in obesity. *Biochem. Soc. Trans.* 33: 1078-1081.