

## Product datasheet for **TA389043**

### ADIPOQ Mouse Antibody [Clone ID: M577]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	M577
Applications:	WB
Recommended Dilution:	<b>WB:</b> 1:1000
Reactivity:	Human, Rat, Mouse
Host:	Mouse
Isotype:	IgG1
Immunogen:	Clone (M577) was generated from a recombinant protein that included amino acid residues within the C-terminal region of mouse adiponectin. This sequence has high homology with similar regions in rat and human adiponectin.
Specificity:	This antibody detects a 30 kDa* protein on SDS-PAGE immunoblots of human and mouse serum, as well as detects full length human and mouse recombinant proteins.
Formulation:	PBS + 1 mg/ml BSA, 0.05% NaN <sub>3</sub> and 50% glycerol
Concentration:	lot specific
Purification:	Protein G Purified
Conjugation:	Unconjugated
Storage:	Storage at -20°C is recommended, as aliquots may be taken without freeze/thawing due to presence of 50% glycerol. Stable for at least 1 year at -20°C.
Stability:	After date of receipt, stable for at least 1 year at -20°C.
Predicted Protein Size:	30
Database Link:	<a href="#">Q15848</a>



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**Background:**

Adiponectin is an adipokine that is secreted primarily from adipocytes and functions in glucose regulation and lipid metabolism. It has also been shown to play a major role in energy homeostasis. Studies report adiponectin secretion in bone, mammary glands, salivary glands, and cardiac tissue in limited quantities. It forms a homo-oligomeric structure and is homologous to complement factor C1q, collagen type VIII, and collagen type X. In humans and mice with low adiponectin levels, increased obesity and insulin resistance is observed. Adiponectin, typically an anti-inflammatory agent, has been shown to exert pro-inflammatory effects in nonmetabolic disease such as irritable bowel syndrome. Low levels of adiponectin in blood have been correlated with higher incidence and poorer prognosis in several cancers, including breast cancer.

**Note:**

Protein G purified tissue culture supernatant.