

Datasheet: MCA4652

Description:	MOUSE ANTI HUMAN ADIPONECTIN
Specificity:	ADIPONECTIN
Other names:	ADIPOQ
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	Adn27
Isotype:	IgG2a
Quantity:	0.2 mg

Product Details

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

	Yes	No	Not Determined	Suggested Dilution
Flow Cytometry			▪	
Immunohistology - Frozen			▪	
Immunohistology - Paraffin			▪	
ELISA	▪			
Immunoprecipitation			▪	
Western Blotting			▪	

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using appropriate negative/positive controls.

Target Species	Human
Product Form	Purified IgG - liquid
Preparation	Purified IgG prepared by affinity chromatography on Protein A from tissue culture supernatant
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	<0.1% Sodium Azide (NaN ₃)

Approx. Protein Concentrations	IgG concentration 1.0mg/ml
Immunogen	Recombinant human adiponectin purified from <i>E.coli</i> .
External Database Links	<p>UniProt: Q15848 Related reagents</p> <p>Entrez Gene: 9370 ADIPOQ Related reagents</p>
Synonyms	ACDC, ACRP30, APM1, GBP28
RRID	AB_2221633
Fusion Partners	Spleen cells from immunised Balb/c mice were fused with cells of the mouse Sp2/0 myeloma cell line.
Specificity	<p>Mouse anti Human Adiponectin antibody, clone Adn27 recognizes human adiponectin, also known as Acrp30, 30 kDa adipocyte complement-related protein, Adipocyte, C1q and collagen domain-containing protei or Gelatin-binding protein. Adiponectin is a 244 amino acid major adipokine secreted into the bloodstream from adipose tissue to modulate metabolism, including glucose regulation and fatty acid catabolism.</p> <p>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.</p> <p>Mouse anti human adiponectin antibody, clone Adn27 has been successfully used as a capture reagent with mouse anti human adionectin antibody, Mouse anti Human adiponectin antibody, clone 5H7 (MCA2695) as a detection reagent in a sensitive Sandwich ELISA for the measurement of adiponectin in human plasma.</p>
References	<ol style="list-style-type: none"> 1. Lihn, A.S. <i>et al.</i> (2005) Adiponectin: action, regulation and association to insulin sensitivity. Obes Rev. 6 (1): 13-21. 2. Trayhurn, P. & Wood, I.S. (2005) Signalling role of adipose tissue: adipokines and inflammation in obesity. Biochem Soc Trans. 33 (Pt 5): 1078-81.
Storage	<p>This product is shipped at ambient temperature. It is recommended to aliquot and store at -20°C on receipt. When thawed, aliquot the sample as needed. Keep aliquots at 2-8°C for short term use (up to 4 weeks) and store the remaining aliquots at -20°C.</p> <p>Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.</p>
Guarantee	12 months from date of despatch

Health And Safety Information

Material Safety Datasheet documentation #10040 available at:
10040: <https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf>

Regulatory

For research purposes only

Related Products

Recommended Secondary Antibodies

Goat Anti Mouse IgG (STAR77...)	HRP
Rabbit Anti Mouse IgG (STAR12...)	RPE
Rabbit Anti Mouse IgG (STAR8...)	DyLight@800
Goat Anti Mouse IgG (STAR76...)	RPE
Human Anti Mouse IgG2a (HCA037...)	HRP
Goat Anti Mouse IgG (Fc) (STAR120...)	FITC , HRP
Goat Anti Mouse IgG IgA IgM (STAR87...)	Alk. Phos. , HRP
Rabbit Anti Mouse IgG (STAR13...)	HRP
Goat Anti Mouse IgG (STAR70...)	FITC
Rabbit Anti Mouse IgG (STAR9...)	FITC
Goat Anti Mouse IgG (H/L) (STAR117...)	Alk. Phos. , DyLight@488 , DyLight@550 , DyLight@650 , DyLight@680 , DyLight@800 , FITC , HRP

Recommended Negative Controls

[MOUSE IgG2a NEGATIVE CONTROL \(MCA929\)](#)

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