Datasheet: MCA6174GA

BATCH NUMBER 100005327

Description:	MOUSE ANTI HUMAN ADIPONECTIN
Specificity:	ADIPONECTIN
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	D05-9C7
Isotype:	IgG1
Quantity:	0.1 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
ELISA	▪			1.0 ug/ml

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 G from tissue culture supernatant
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.09% Sodium Azide (NaN_3)
Carrier Free	Yes
Approx. Protein Concentrations	IgG concentration 1.0 mg/ml
Immunogen	*E. coli* derived recombinant human adiponectin (Glu19-Asn244)

External Database Links	**UniProt:** Q15848 Related reagents **Entrez Gene:** 9370 ADIPOQ Related reagents
Synonyms	ACDC, ACRP30, APM1, GBP28
Fusion Partners	Cell fusion between immunized BALB/c mouse spleen cells and mouse myeloma SP2/0
Specificity	**Mouse anti Human adiponectin antibody, clone D05-9C7,**recognizes adiponectin, also known as ACRP30, apM-1, ADIPOQ. Adiponectin is a fat-derived hormone which suppresses glucose production in the liver and enhances fatty acid oxidation in skeletal muscle, and acts as a messenger to allow communication between adipose tissue and other organs (Wang and Scherer, 2016). Adiponectin can elicit several downstream signaling events, including the insulin signaling pathway. Anti-diabetic, anti-inflammatory, and anti-atherogenic effects of adiponectin have been identified, and the protein sensitizes cells to insulin. Decreased adiponecin levels may play a role in development of type 2 diabetes, and therefore, adiponectin has been suggested as a potential therapeutic target for diabetes (Achari and Jain 2017). The purified Mouse anti Human adiponectin antibody, clone D05-9C7 can be used as a capture antibody in a sandwich ELISA with the biotinylated Mouse anti Human adiponectin antibody, clone D02-7B10 (MCA6175B) as the detection antibody.
Storage	Store at +4^{o}C or at -20^{o}C if preferred. Storage in frost-free freezers is not recommended. This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.
Guarantee	12 months from date of despatch
Health And Safety Information	Material Safety Datasheet documentation #10040 available at: https://www.bio-rad-antibodies.com/SDS/MCA6174GA 10040
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

Rabbit Anti Mouse IgG (STAR12...)	RPE
Goat Anti Mouse IgG IgA IgM (STAR87...)	HRP
Goat Anti Mouse IgG (STAR76...)	RPE
Rabbit Anti Mouse IgG (STAR13...)	HRP

Goat Anti Mouse IgG (STAR70...)	FITC
Goat Anti Mouse IgG (H/L) (STAR117...)	Alk. Phos., DyLight®488, DyLight®550, DyLight®650, DyLight®680, DyLight®800, FITC, HRP
Rabbit Anti Mouse IgG (STAR9...)	FITC
Goat Anti Mouse IgG (STAR77...)	HRP
Goat Anti Mouse IgG (Fc) (STAR120...)	FITC, HRP

Recommended Useful Reagents

MOUSE ANTI HUMAN ADIPONECTIN:Biotin (MCA6175B)

ELISA Matched Pair - Detection Antibody

MOUSE ANTI HUMAN ADIPONECTIN:Biotin (MCA6175B)

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