

Datasheet: MCA6174GA

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	<i>E. coli</i> 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

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.

Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.

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
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 IgG1 NEGATIVE CONTROL \(MCA928\)](#)

Recommended Useful Reagents

[MOUSE ANTI HUMAN ADIPONECTIN:Biotin \(MCA6175B\)](#)

ELISA Matched Pair - Detection Antibody

[MOUSE ANTI HUMAN ADIPONECTIN:Biotin \(MCA6175B\)](#)

North & South America	Tel: +1 800 265 7376 Fax: +1 919 878 3751 Email: antibody_sales_us@bio-rad.com	Worldwide	Tel: +44 (0)1865 852 700 Fax: +44 (0)1865 852 739 Email: antibody_sales_uk@bio-rad.com	Europe	Tel: +49 (0) 89 8090 95 21 Fax: +49 (0) 89 8090 95 50 Email: antibody_sales_de@bio-rad.com
----------------------------------	---	------------------	---	---------------	---

To find a batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets
'M390642:210924'

Printed on 21 Mar 2022

© 2022 Bio-Rad Laboratories Inc | [Legal](#) | [Imprint](#)