

Datasheet: MCA6175B

BATCH NUMBER 100005572

Description:	MOUSE ANTI HUMAN ADIPONECTIN:Biotin
Specificity:	ADIPONECTIN
Format:	Biotin
Product Type:	Monoclonal Antibody
Clone:	D02-7B10
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 conjugated to Biotin - liquid
Preparation	Purified IgG prepared by affinity chromatography on Protein G from tissue culture supernatant
Buffer Solution	Phosphate buffered saline
Preservative	0.09% Sodium Azide (NaN ₃)
Stabilisers	1% Bovine Serum Albumin
Approx. Protein Concentrations	IgG concentration 0.1 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 D02-7B10, 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 adiponectin 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 biotinylated Mouse anti Human adiponectin antibody, clone D02-7B10 (MCA6175B) can be used as a detection antibody in a sandwich ELISA with the purified Mouse anti Human adiponectin antibody, clone D05-9C7 ([MCA6174GA](#)) as the capture antibody.

Storage

Store at +4°C or at -20°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 #10041 available at:
<https://www.bio-rad-antibodies.com/SDS/MCA6175B>
10041

Regulatory

For research purposes only

Related Products

Recommended Useful Reagents

[MOUSE ANTI HUMAN ADIPONECTIN \(MCA6174GA\)](#)

ELISA Matched Pair - Capture Antibody

[MOUSE ANTI HUMAN ADIPONECTIN \(MCA6174GA\)](#)

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

'M387630:210701'

Printed on 18 Jan 2024

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