

Datasheet: MCA4652

**BATCH NUMBER 151926**

|                      |                              |
|----------------------|------------------------------|
| <b>Description:</b>  | MOUSE ANTI HUMAN ADIPONECTIN |
| <b>Specificity:</b>  | ADIPONECTIN                  |
| <b>Other names:</b>  | ADIPOQ                       |
| <b>Format:</b>       | Purified                     |
| <b>Product Type:</b> | Monoclonal Antibody          |
| <b>Clone:</b>        | Adn27                        |
| <b>Isotype:</b>      | IgG2a                        |
| <b>Quantity:</b>     | 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](http://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.

|                                 |   |
|---------------------------------|---|
| <b>Target Species</b>           | Human   |
| <b>Product Form</b>             | Purified IgG - liquid   |
| <b>Preparation</b>              | Purified IgG prepared by affinity chromatography on Protein A from tissue culture supernatant |
| <b>Buffer Solution</b>          | Phosphate buffered saline   |
| <b>Preservative Stabilisers</b> | 0.09% Sodium Azide (NaN <sub>3</sub> )  |

|                                       |  |
|---------------------------------------|--|
| <b>Approx. Protein Concentrations</b> | IgG concentration 1.0mg/ml   |
| <b>Immunogen</b>                      | Recombinant human adiponectin purified from <i>E.coli</i> .  |
| <b>External Database Links</b>        | <p><b>UniProt:</b><br/> <a href="#">Q15848</a>    <a href="#">Related reagents</a></p> <p><b>Entrez Gene:</b><br/> <a href="#">9370</a>    ADIPOQ    <a href="#">Related reagents</a></p>  |
| <b>Synonyms</b>                       | ACDC, ACRP30, APM1, GBP28  |
| <b>RRID</b>                           | AB_2221633   |
| <b>Fusion Partners</b>                | Spleen cells from immunised Balb/c mice were fused with cells of the mouse Sp2/0 myeloma cell line.  |
| <b>Specificity</b>                    | <p><b>Mouse anti Human Adiponectin antibody, clone Adn27</b> 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 (<a href="#">MCA2695</a>) as a detection reagent in a sensitive Sandwich ELISA for the measurement of adiponectin in human plasma.</p> |
| <b>References</b>                     | <ol style="list-style-type: none"> <li>Lihn, A.S. <i>et al.</i> (2005) Adiponectin: action, regulation and association to insulin sensitivity. <a href="#">Obes Rev. 6 (1): 13-21.</a></li> <li>Trayhurn, P. &amp; Wood, I.S. (2005) Signalling role of adipose tissue: adipokines and inflammation in obesity. <a href="#">Biochem Soc Trans. 33 (Pt 5): 1078-81.</a></li> </ol>  |
| <b>Storage</b>                        | <p>Store at +4°C or at -20°C if preferred.</p> <p>Storage in frost-free freezers is not recommended.</p> <p>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.</p>   |
| <b>Guarantee</b>                      | 12 months from date of despatch  |
| <b>Health And Safety</b>              | Material Safety Datasheet documentation #10040 available at:   |

**Information** <https://www.bio-rad-antibodies.com/SDS/MCA4652>  
10040

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**Regulatory** For research purposes only

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## 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](#)

|                                  |   |                  |   |               |   |
|----------------------------------|---|------------------|---|---------------|---|
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|----------------------------------|---|------------------|---|---------------|---|

To find a batch/lot specific datasheet for this product, please use our online search tool at: [bio-rad-antibodies.com/datasheets](https://www.bio-rad-antibodies.com/datasheets)  
'M367815:200529'

Printed on 18 Jan 2024

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