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

**RRID** AB_2221633

**Applications**

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<th>Application</th>
<th>Yes</th>
<th>No</th>
<th>Not Determined</th>
<th>Suggested Dilution</th>
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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** 0.09% Sodium Azide (NaN₃)

**Approx. Protein Concentrations** IgG concentration 1.0mg/ml

**Immunogen** Recombinant human adiponectin purified from *E.coli.*
Fusion Partners
Spleen cells from immunised Balb/c mice were fused with cells of the mouse Sp2/0 myeloma cell line.

Specificity
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 protein 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.

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.

Mouse anti human adiponectin antibody, clone Adn27 has been successfully used as a capture reagent with mouse anti human adiponectin 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.

References

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
18 months from date of despatch.

Health And Safety Information

Regulatory
For research purposes only

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

Recommended Negative Controls

MOUSE IgG2a NEGATIVE CONTROL (MCA929)