

## PRODUCT DATA SHEET

### Adiponectin Human, Mouse Monoclonal Antibody, Clone: 5E4

**Cat. No.:** RD1820231005E4

**Size:** 0.1 mg

**Source of Antigen:** HEK293

**Type:** Monoclonal Antibody

**Host:** Mouse

#### Other Names:

Adipocyte C1q and collagen domain-containing protein, Adipocyte complement-related 30 kDa protein, ACRP30, Adipose most abundant gene transcript 1 protein, apM-1, Gelatin-binding protein, ADIPOQ, ACDC, APM1, GBP28

#### Preparation:

The antibody is a mouse monoclonal antibody against recombinant Human Adiponectin.

#### Amino Acid Sequence of Immunogen:

Total 234 AA. C-terminal flag tag, 8 extra AA. Accession # Q15848.

ETTTQGPVGL LPLPKGACTG WMAGIPGHPG HNGAPGRDGR DGTPGEKGEK GDPGLIGPKG  
DIGETGVPGA EGPRGFPGIQ GRKGEPGEA YVYRSFVSFG LETYVTIPNM PIRFTKIFYN  
QQNHYDGGSTG KFHCNIPGLY YFAYHITVYM KDVKVSFLFKK DKAMLFTYDQ YQENNVDQAS  
GSVLLHLEVG DQVWLQVYGE GERNGLYADN DNDSTFTGFL LYHDTNDYKD DDDK

#### Purification Method:

Affinity chromatography on a column with immobilized protein G.

#### Species Reactivity:

Human. Not yet tested in other species.

#### Antibody Content:

0.1 mg (determined by BCA method, BSA was used as a standard)

#### Formulation:

The antibody is lyophilized in 0.05 M phosphate buffer, 0.1 M NaCl, pH 7.2.

#### Reconstitution:

Add 0.2 ml of deionized water and let the lyophilized pellet dissolve completely. Slight turbidity may occur after reconstitution, which does not affect activity of the antibody. In this case clarify the solution by centrifugation.

#### Shipping:

At ambient temperature. Upon receipt, store the product at the temperature recommended below.

**Storage/Stability:**

The lyophilized antibody remains stable and fully active until the expiry date when stored at -20°C. Aliquot the product after reconstitution to avoid repeated freezing/thawing cycles and store frozen at -80°C. Reconstituted antibody can be stored at 4°C for a limited period of time; it does not show decline in activity after one week at 4°C.

**Quality Control:**

Indirect ELISA – to determine titer of the antibody

SDS PAGE – to determine purity of the antibody

BCA - to determine quantity of the antibody

**Applications:**

ELISA, Immunohistochemistry, Western blotting

**Note:**

This product is for research use only.