

PRODUCT DATA SHEET

Adiponectin (HEK) Human, Sheep Polyclonal Antibody

Cat. No.: RD184023100-01**Size:** 0.1 mg**Source of Antigen:** HEK293**Type:** Polyclonal Antibody**Host:** Sheep**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 was raised in sheep by immunization with the recombinant Human Adiponectin.

Amino Acid Sequence of Immunogen:

Recombinant Human Adiponectin, total 234 AA. MW 25.5 kDa (calculated). UniProtKB acc.no. Q15848 (Glu19 – Asn244). C-Terminal flag tag (8 extra AA).

ETTTQGPVGL LPLPKGACTG WMAGIPGHPG HNGAPGRDGR DGTPEGEKGEK GDPGLIGPKG
DIGETGVPGA EGPRGFPGIQ GRKGEPGEGA YVYRSFASVG LETYVTIPNM PIRFTKIFYN
QQNHYDGSTG KFHCNIPGLY YFAYHITVYM KDKVSLFKK DKAMLFTYDQ YQENNVDQAS
GSVLLHLEVG DQVWLQVYGE GERNGLYADN DNDSTFTGFL LYHDTNDYKD DDDK

Glu 1 to Gln 5 were confirmed by N-terminal sequencing

Purification Method:

Immunoaffinity chromatography on a column with immobilized recombinant Human Adiponectin.

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.