

## Human Adiponectin ELISA Kit | ADIPOQ elisa kit

Human Adiponectin PicoKine Fast ELISA Kit

CATALOG #  
**AAA125338**

REACTIVITY  
**Human**

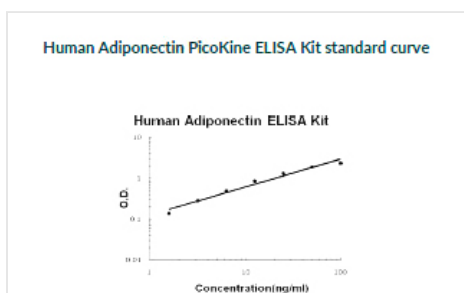
### PRODUCT SYNONYMS

Adiponectin; Human Adiponectin PicoKine Fast ELISA Kit; Human Adiponectin; adiponectin; C1Q and collagen domain containing; cDNA FLJ78108; highly similar to Homo sapiens adiponectin; C1Q and collagen domain containing (ADIPOQ); mRNA; ADIPOQ; hCG\_1784052; ADIPOQ elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                       |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Human                                                                                                                                                 |
| Specificity             | Natural and recombinant Human ADIPOQ                                                                                                                  |
| Samples                 | Cell culture supernates, serum, plasma(heparin, EDTA)and urine                                                                                        |
| Detection Range         | 1.56ng/ml-100ng/ml                                                                                                                                    |
| Sensitivity             | <60pg/ml                                                                                                                                              |
| Intra-assay Precision   | Intra-Assay Precision (Precision within an assay): Three samples of known concentration were tested on one plate to assess intra-assay precision.     |
| Inter-assay Precision   | Inter-Assay Precision (Precision accross assays):Three samples of known concentration were tested in separate assays to assess inter-assay precision. |
| Preparation and Storage | Store at 4 degree C for 6 months. Store at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles.                                             |

### IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

|                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
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| Related Product Information for ADIPOQ elisa kit | <p>Principle of the Assay: The Picokine™ Human ADIPOQ Pre-Coated ELISA (Enzyme-Linked Immunosorbent Assay) kit is a solid phase immunoassay specially designed to measure Human ADIPOQ with a 96-well strip plate that is pre-coated with antibody specific for ADIPOQ. The detection antibody is a biotinylated antibody specific for ADIPOQ. The capture antibody is monoclonal antibody from mouse, the detection antibody is polyclonal antibody from goat. The kit contains recombinant Human ADIPOQ with immunogen: Expression system for standard: NSO; Immunogen sequence: E19-N244. The kit is analytically validated with ready to use reagents. To measure Human ADIPOQ, add standards and samples to the wells, then add the biotinylated detection antibody. Wash the wells with PBS or TBS buffer, and add Avidin-Biotin-Peroxidase Complex (ABC-HRP). Wash away the unbounded ABC-HRP with PBS or TBS buffer and add TMB. TMB is substrate to HRP and will be catalyzed to produce a blue color product, which changes into yellow after adding acidic stop solution. The density of the yellow product is linearly propotional to Human ADIPOQ in the sample. Read the density of the yellow product in each well using a plate reader, and benchmark the sample wells' readings against the standard curve to determine the concentration of Human ADIPOQ in the sample.!!Background/Introduction: Adiponectin(ADPN) is a hormone secreted by adipocytes that regulates energy homeostasis and glucose and lipid metabolism. Adiponectin is a new member of the family of soluble defense collagens, in hematopoiesis and immune responses. It is an important negative regulator in hematopoiesis and immune systems and raise the possibility that it may be involved in ending inflammatory responses through its inhibitory functions. Adiponectin is mapped to 3q27 and can protect the organism from systemic inflammation by promoting the clearance of early apoptotic cells by macrophages through a receptor-dependent pathway involving calreticulin. The standard product used in this kit is the product of gene recombination, consisting of 226(19-244) amino acids with the molecular mass of 36KDa after glycosylation.</p> |
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NCBI AND UNIPROT INFORMATION

|                                  |                                                  |
|----------------------------------|--------------------------------------------------|
| NCBI GeneID                      | 9370                                             |
| UniProt Accession #              | A8K660; Q15848                                   |
| NCBI Official Synonym Full Names | adiponectin, C1Q and collagen domain containing  |
| NCBI Official Symbol             | ADIPOQ                                           |
| NCBI Official Synonym Symbols    | ACDC; ADPN; APM1; APM-1; GBP28; ACRP30; ADIPQTL1 |
| NCBI Protein Information         | adiponectin                                      |
| UniProt Protein Name             | Adiponectin                                      |
| UniProt Gene Name                | ADIPOQ                                           |
| UniProt Entry Name               | A8K660_HUMAN                                     |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/adipoq-human-elisa-kits/adiponectin/125338>