

Human Adiponectin ELISA Kit | ADIPOQ elisa kit

Human Adiponectin ELISA Kit

CATALOG # AAA105672	REACTIVITY Human	APPLICATIONS ELISA
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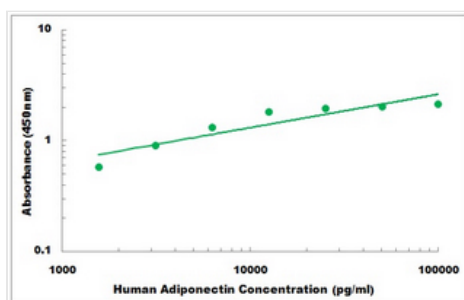
PRODUCT SYNONYMS

Adiponectin; Human Adiponectin ELISA Kit; ACDC; ACRP30; APM1; GBP28; 30 kDa adipocyte complement-related protein; Adipocyte complement-related 30 kDa protein; Adipocyte; C1q and collagen domain-containing protein; Adipose most abundant gene transcript 1 protein; apM-1; Gelatin-binding protein; ADIPOQ elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	The Human Adiponectin ELISA Kit allows for the detection and quantification of endogenous levels of natural and/or recombinant Human Adiponectin proteins within the range of 1560 pg/ml - 100000 pg/ml.
Sequence Length	244
Samples	Cell Culture Supernatants, Serum, Plasma, Tissue Homogenates
Sensitivity	The minimum detectable dose of Human Adiponectin is typically less than 60 pg/ml.
Applicable Applications for ADIPOQ elisa kit	ELISA (Sandwich ELISA)
Preparation and Storage	Shipped and store at 4 degree C for 6 months, store at -20 degree C for one year. Avoid freeze/thaw cycles.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ADIPOQ elisa kit

Principle of the assay: The Human Adiponectin ELISA (Enzyme-Linked Immunosorbent Assay) kit is an in vitro enzyme-linked immunosorbent assay for the quantitative measurement of Human Adiponectin in Cell Culture Supernatants, Serum, Plasma, Tissue Homogenates. This assay employs an antibody specific for Human Adiponectin coated on a 96-well plate. Standards and samples are pipetted into the wells and Adiponectin present in a sample is bound to the wells by the immobilized antibody. The wells are washed and biotinylated anti-Human Adiponectin antibody is added. After washing away unbound biotinylated antibody, HRP-conjugated streptavidin is pipetted to the wells. The wells are again washed, a TMB substrate solution is added to the wells and color develops in proportion to the amount of Adiponectin bound. The Stop Solution changes the color from blue to yellow, and the intensity of the color is measured at 450 nm.

Background: 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.

NCBI AND UNIPROT INFORMATION

NCBI GI #	295317372
NCBI GeneID	9370
NCBI Accession #	NP_001171271.1
NCBI GenBank Nucleotide #	NM_001177800.1
UniProt Accession #	Q15848 ; Q58EX9
Molecular Weight	26,414 Da
NCBI Official Full Name	adiponectin
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; gelatin-binding protein 28; adipose specific collagen-like factor; 30 kDa adipocyte complement-related protein; adipocyte complement-related 30 kDa protein; adipose most abundant gene transcript 1 protein
UniProt Protein Name	Adiponectin
UniProt Gene Name	ADIPOQ
UniProt Synonym Gene Names	ACDC; ACRP30; APM1; GBP28; ACRP30; apM-1
UniProt Entry Name	ADIPO_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/105672>