

Rat Adiponectin ELISA Kit | ADIPOQ elisa kit

Rat Adiponectin PicoKine ELISA Kit

CATALOG #
AAA45885

REACTIVITY
Rat

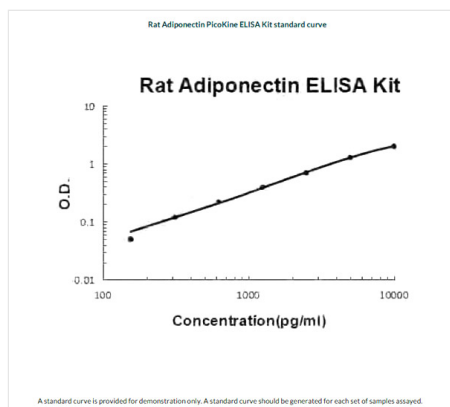
PRODUCT SYNONYMS

Adiponectin; Rat Adiponectin PicoKine ELISA Kit; adiponectin; C1Q and collagen domain containing; 30 kDa adipocyte complement related protein; 30 kDa adipocyte complement-related protein; ACDC; ACRP30; ADIPO_HUMAN; Adipocyte; Adipocyte C1q and collagen domain containing protein; Adipocyte complement related 30 kDa protein; Adipocyte complement related protein of 30 kDa; Adipocyte complement-related 30 kDa protein; Adipoq; Adipose most abundant gene transcript 1; Adipose most abundant gene transcript 1 protein; Adipose specific collagen like factor; ADIPQTL1; ADPN; apM-1; APM1; C1q and collagen domain-containing protein; GBP28; Gelatin binding protein; Gelatin binding protein 28; Gelatin-binding protein; ADIPOQ elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	Natural and recombinant Rat Adipoq
Sequence Length	244
Samples	Cell culture supernatants, serum, plasma (heparin, edta) and urine
Detection Range	156 pg/ml - 10,000 pg/ml
Sensitivity	<10 pg/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 across 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, at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles (Shipped with wet ice.)

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ADIPOQ elisa kit	Principle of the Assay: Picokine™ Rat Adipoq Pre-Coated ELISA (Enzyme-Linked Immunosorbent Assay) kit is a solid-phase immunoassay specially designed to measure Rat 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 and the detection antibody is polyclonal antibody from goat. The kit contains recombinant Rat Adipoq with immunogen: Expression system for standard: E.coli; Immunogen sequence: I19-N244. The kit is analytically validated with ready-to-use reagents. To measure Rat 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 an HRP substrate and will be catalyzed to produce a blue color product, which changes into yellow after adding the acidic stop solution. The absorbance of the yellow product at 450nm is linearly proportional to Rat Adipoq in the sample. Read the absorbance 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 Rat 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.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	81901098
NCBI GeneID	246253
UniProt Accession #	Q8K3R4
Molecular Weight	26,410 Da
NCBI Official Full Name	30 kDa adipocyte complement-related protein (Adiponectin, C1Q and collagen domain containing)
NCBI Official Synonym Full Names	adiponectin, C1Q and collagen domain containing
NCBI Official Symbol	Adipoq
NCBI Official Synonym Symbols	Acdc; Acrp30
NCBI Protein Information	adiponectin; adipocyte complement related protein of 30 kDa
UniProt Protein Name	30 kDa adipocyte complement-related protein
UniProt Gene Name	Adipoq
UniProt Entry Name	Q8K3R4_RAT

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.