

Rat Adiponectin (ADP) ELISA Kit | ADP elisa kit

Rat Adiponectin (ADP) Mini Samples ELISA Kit

CATALOG #
AAA149048

REACTIVITY
Rat

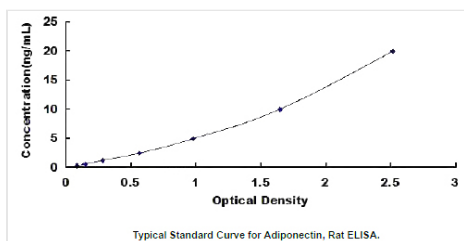
PRODUCT SYNONYMS

Adiponectin (ADP); Rat Adiponectin (ADP) Mini Samples ELISA Kit; GBP28; ApM1; AdipoQ; Acrp30; ACDC; APM1; C1Q And Collagen Domain Containing; Adipocyte Complement-Related Protein Of 30 KDa; Adipose Most Abundant Gene Transcript 1; ADP elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of adiponectin. No significant cross-reactivity or interference between adiponectin and analogues was observed.
Sequence Length	244
Assay Type	Double-antibody Sandwich
Samples	Serum, Plasma, Tissue homogenates, Cell lysates, Cell culture supernates and other biological fluids
Detection Range	0.312-20ng/mL
Sensitivity	0.134ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level adiponectin were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level adiponectin were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ADP elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of adiponectin in porcine serum, plasma and other biological fluids. Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to adiponectin. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to adiponectin. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain adiponectin, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm +/- 10nm. The concentration of adiponectin in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Product Categories/Family for ADP elisa kit	Metabolic pathway ; Infection immunity ; Cardiovascular biology

NCBI AND UNIPROT INFORMATION

NCBI GI #	21426809
NCBI GeneID	246253
NCBI Accession #	NP_653345.1
NCBI GenBank Nucleotide #	NM_144744.3
UniProt Accession #	Q8K3R4
Molecular Weight	26,410 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; Adid; Acrp30
NCBI Protein Information	adiponectin
UniProt Protein Name	30 kDa adipocyte complement-related protein
UniProt Gene Name	Adipoq
UniProt Synonym Gene Names	AcdcImportedAutomatic assertion inferred from database entriesiRGD:628748; AdidImportedAutomatic assertion inferred from database entriesiEMBL:SOR70288.1

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://www.aaabiotech.com/rat-elisa-kits/adiponectin-adp/149048>