

Mouse Adiponectin ELISA Kit | ADIPOQ elisa kit

Mouse Adiponectin PicoKine Fast ELISA Kit

CATALOG #
AAA19190

REACTIVITY
Mouse

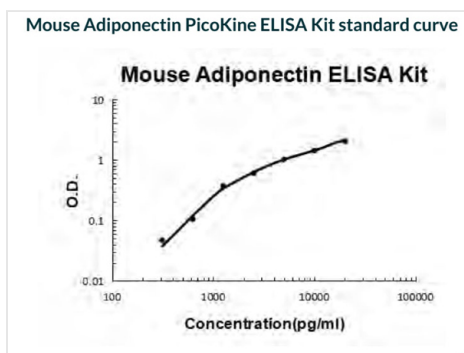
PRODUCT SYNONYMS

Adiponectin; Mouse Adiponectin PicoKine Fast ELISA Kit; Mouse Adiponectin; 30 kDa adipocyte complement-related protein; Adipocyte complement-related 30 kDa protein; ACRP30; Adipocyte; C1q and collagen domain-containing protein; Adipocyte-specific protein AdipoQ; Adipoq; Acdc; Acrp30; Apm1; ADIPOQ elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	Natural and recombinant Mouse Adipoq
Sequence Length	247
Assay Type	Sandwich
Samples	Cell culture supernatants, serum, plasma (heparin, EDTA) and urine
Detection Range	312 pg/ml - 20,000 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. Store at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ADIPOQ elisa kit	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. Principle of the Assay: The Quick Picokine™ Mouse Adipoq Pre-Coated ELISA (Enzyme-Linked Immunosorbent Assay) kit is a solid phase immunoassay specially designed to measure Mouse Adipoq in cell culture supernatants, serum, plasma (heparin, EDTA) and urine. It uses our proprietary Quick ELISA technology. Quick ELISA technology employs capture antibodies conjugated to an affinity tag that is recognized by the polyclonal antibody used to coat our Quick ELISA plates. This approach to sandwich ELISA allows the formation of the antibody-analyte sandwich complex in a single step, significantly reducing assay time. The kit includes Mouse Adipoq protein as standards. To measure Mouse Adipoq, add standards and samples to the wells, then add antibody cocktail. Wash the wells 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 is linearly proportional to Mouse 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 Mouse Adipoq in the sample.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	87252711
NCBI GeneID	11450
NCBI Accession #	NP_033735.3
NCBI GenBank Nucleotide #	NP_033735.3
UniProt Accession #	Q60994
NCBI Official Full Name	adiponectin
NCBI Official Synonym Full Names	adiponectin, C1Q and collagen domain containing
NCBI Official Symbol	Adipoq
NCBI Official Synonym Symbols	Ad; APN; Acdc; Adid; apM1; 30kDa; GBP28; adipo; Acrp30
NCBI Protein Information	adiponectin
UniProt Protein Name	Adiponectin
UniProt Gene Name	Adipoq
UniProt Synonym Gene Names	Acdc; Acrp30; Apm1; ACRP30
UniProt Entry Name	ADIPO_MOUSE

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.