

Human Adiponectin / Acrp 30 ELISA Kit

Adiponectin Human ELISA Kit

CATALOG # AAA58899	REACTIVITY Human	APPLICATIONS ELISA
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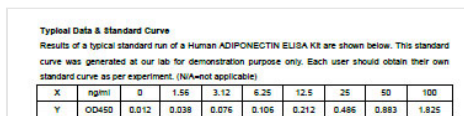
PRODUCT SYNONYMS

Adiponectin / Acrp 30; Adiponectin Human ELISA Kit; Human Adiponectin / Acrp 30; Adiponectin / Acrp 30 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Serum, plasma, body fluids, tissue lysates or cell culture supernatants
Assay Type	Quantitative Sandwich
Detection Range	1.56 ng/ml-100 ng/ml
Sensitivity	< 10 pg/ml
Applicable Applications for Adiponectin / Acrp 30 elisa kit	ELISA
Preparation and Storage	Store at 2-8 degree C for 4 months, or at -20 degree C for 8 months.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for Adiponectin / Acrp 30 elisa kit

Principle of the Assay: This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti-Adiponectin polyclonal antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-Adiponectin polyclonal antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and wash with wash buffer. Avidin-Biotin-Peroxidase Complex was added and unbound conjugates were washed away with wash buffer. TMB substrates were used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the Adiponectin amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of Adiponectin can be calculated.

Background/Introduction: Adiponectin (also referred to as GBP-28, apM1, AdipoQ and Acrp30) is a protein which in humans is encoded by the ADIPOQ gene. This gene spans 16 kb, contains 3 exons, and maps to to chromosome 3q27. Adiponectin is a 244-amino-acid-long polypeptide, and it has four distinct regions. It is a hormone secreted by adipocytes (and also from the placenta in pregnancy) that regulates energy homeostasis and glucose and lipid metabolism. Adipocytes also produce and secrete proteins such as leptin, adipon, various other complement components and tumor necrosis factor, suggesting a possible link to the immune system.

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.

