

AG-45A-0005Y

18-Dec-2014

Adiponectin (rat) ELISA Kit

[ACRP30; AdipoQ; apM1; GBP28; Adipocyte complement related protein of 30kDa]

AG-45A-0005YEK-KI01 96 wells
AG-45A-0005YPP-KI01 5 x 96 wells
AG-45A-0005YTP-KI01 2 x 96 wells

Quantity 1 x 96 wells
2 x 96 wells (Twin Plex)
5 x 96 wells (Penta Plex)

Detection Type Colorimetric
Assay Type Sandwich
Sample Type Cell Culture Supernatant / Plasma / Serum

Handling / Storage

Shipping BLUE ICE
Short Term Storage +4°C
Long Term Storage +4°C

After standard reconstitution, prepare aliquots and store at -20°C. Avoid freeze/thaw cycles. Plate and reagents should reach room temperature before use.

Use / Stability

12 months after the day of manufacturing. See expiry date on ELISA Kit box.

For complete product information please see manual. Manual also available at www.adipogen.com.

Product Specifications

Species Crossreactivity Rat
Sensitivity 50pg/ml
Specificity Detects rat adiponectin. Does not cross-react with mouse adiponectin, human adiponectin, rat resistin, rat RELM- α or rat leptin.
Range 0.375 to 24ng/ml

WARNING: Intended for research use only. This product is not intended or approved for human, diagnostics, therapeutic or veterinary use. Use of this product for human or animal testing is extremely hazardous and may result in disease, severe injury, or death. **MATERIAL SAFETY DATA:** Review the complete Material Safety Data Sheet before use.

North/South America:
Adipogen Corp.
11588 Sorrento Valley Road, Suite 16
San Diego CA 92121-1336
USA
TEL (858) 457-8383
FAX (858) 457-8484
info-us@adipogen.com

Rest of World:
Adipogen AG
Schützenstrasse 12
4410 Liestal
Switzerland
TEL +41-61-926-60-40
FAX +41-61-926-60-49
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Product Description

Adiponectin [ACRP30; AdipoQ] is a promising biomarker of insulin resistance and type 2 diabetes mellitus (T2DM) but also as a potential target for management of the metabolic syndrome. It is a very robust marker that is not prone to degradation or acute inflammatory challenges, is present in relatively high concentrations in the peripheral circulation, and can be collected by a variety of methods. The benefits of using adiponectin assays in clinical settings include, (a) prediction of risk of diabetes and metabolic status and (b) providing a tool to monitor metabolic improvements. Adiponectin exerts anti-atherogenic and anti-inflammatory properties and may be important as a biomarker for obesity-related cardiovascular disease (CVD). New findings showed urinary adiponectin excretion as an independent new biomarker of microvascular and macrovascular damage in T2DM and suggested it as a very promising tool for early cardiovascular disease risk assessment. Adiponectin serum level was also described as a good biomarker of colorectal adenoma, this being related to the positive correlation between obesity and increased risk of cancer at various sites (colorectal, breast, prostate and endometrium).

Product Specific References

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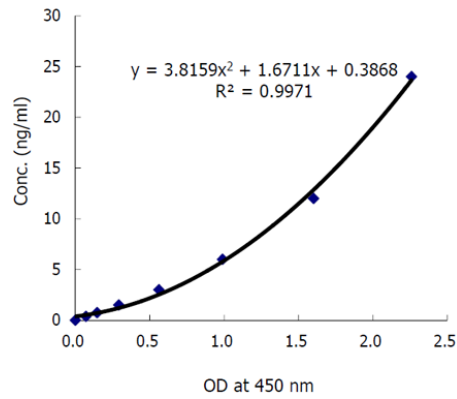


Figure 1: Standard Curve

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