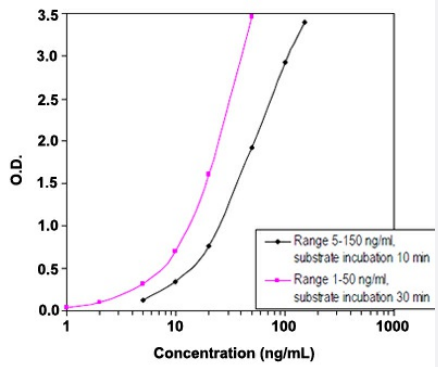
ADIPOQ (Human) ELISA Kit

Catalog # KA0017 Size 1 Kit

Applications



The standard curve is for the purpose of illustration only and should not be used to calculate unknowns. A standard curve should be generated each time the assay is performed.

Specification

Product Description	ADIPOQ (Human) High Sensitivity ELISA Kit is a sandwich enzymelinked immunosorbent assay for t he quantitative measurement of human adiponectin.
Suitable Sample	Breast Milk, Cerebrospinal Fluid, Plasma (Citrate, EDTA, Heparin), Serum, Urine
Sample Volume	100 uL
Label	HRP-conjugate
Detection Method	Colorimetric
Assay Type	Quantitative
Calibration Range	1 to 100 ng/mL
Limit of Detection	0.47 ng/mL (serum, plasma), 0.156 ng/mL (urine, CSF)
Reactivity	Cat, Dog, Hamster, Human, Monkey, Rat
Regulation Status	For research use only (RUO)
Quality Control Testing	Standard curve The standard curve is for the purpose of illustration only and should not be used to calculate unknown s. A standard curve should be generated each time the assay is performed.

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Storage Instruction	Store the kit at 4°C.

Applications

- Quantification

Gene Info — ADIPOQ

Entrez GeneID	9370
Gene Name	ADIPOQ
Gene Alias	ACDC, ACRP30, ADPN, APM-1, APM1, GBP28, adiponectin
Gene Description	adiponectin, C1Q and collagen domain containing
Omim ID	605441
Gene Ontology	Hyperlink
Gene Summary	This gene is expressed in adipose tissue exclusively. It encodes a protein with similarity to collag ens X and VIII and complement factor C1q. The encoded protein circulates in the plasma and is in volved with metabolic and hormonal processes. [provided by RefSeq
Other Designations	adipocyte, C1Q and collagen domain containing|adipocyte, C1Q and collagen domain-containing |adiponectin|adipose most abundant gene transcript 1|gelatin-binding protein 28

Publication Reference

- Effects of a therapeutic weight loss diet on weight loss and metabolic health in overweight and obese dogs.

  Yuanlong Pan, Julie K Spears, Hui Xu, Sandeep Bhatnagar.

  Journal of Animal Science 2023 Jan; 101:skad183.

  Application: ELISA, Dog, Dog serum

- Risk of New-Diagnosed Atrial Fibrillation After Transient Ischemic Attack.

  Francisco Purroy, Mikel Vicente-Pascual, Gloria Arque, Robert Begue, Joan Farre, Yhovany Gallego, Maria Pilar Gil-Villar, Gerard Mauri, Nuria Montalà, Cristina Pereira, Coral Torres-Querol, Daniel Vazquez-Justes.

  Frontiers in Neurology 2022 Jul; 13:905304.

  Application: Quant, Human, Human blood

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- Breast Milk Supply of MicroRNA Associated with Leptin and Adiponectin Is Affected by Maternal Overweight/Obesity and Influences Infancy BMI.

  Zamanillo R, Sánchez J, Serra F, Palou A.

  Nutrients 2019 Oct; 11(11):E2589.

  Application: Quant, Human, Whole milk samples

- Extra fructose in the growth medium fuels lipogenesis of adipocytes.

  Armin Robubi, Klaus R Huber, Walter Krugluger.

  Journal of Obesity 2014 Feb; 0:647034.

  Application: ELISA, Human, Primary human white preadipocytes

- Extra fructose in the growth medium fuels lipogenesis of adipocytes.

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  Application: ELISA, Human, Primary human white preadipocytes

Pathway

- Adipocytokine signaling pathway
- PPAR signaling pathway
- Type II diabetes mellitus

Disease

- Acute Disease
- Adenocarcinoma
- Albuminuria
- Alzheimer disease
- Anorexia Nervosa
- Atherosclerosis
- Birth Weight
- Body Weight

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- Brain Ischemia
- Breast cancer
- Breast Neoplasms
- Calcinosis
- Carcinoma
- Cardiomyopathy
- Cardiovascular Diseases
- Carotid Artery Diseases
- Cellulitis
- Cerebral Infarction
- Cerebrovascular Accident
- Colorectal Neoplasms
- Coronary Artery Disease
- Coronary Disease
- Coronary Stenosis
- Diabetes
- Diabetes Complications
- Diabetes Mellitus
- Diabetic Angiopathies
- Diabetic Nephropathies
- Diabetic Neuropathies
- Diabetic Retinopathy
- Disease Progression
- Dyslipidemias
- Edema
- Esophageal Neoplasms

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- Fatty Liver
- Genetic Predisposition to Disease
- Glomerulonephritis
- Glucose Intolerance
- Glucose Metabolism Disorders
- HIV Infections
- HIV-Associated Lipodystrophy Syndrome
- Hyperaldosteronism
- Hyperandrogenism
- Hypercholesterolemia
- Hyperglycemia
- Hyperinsulinism
- Hyperlipidemias
- Hypertension
- Inflammation
- Insulin Resistance
- Intracranial Arteriosclerosis
- Ischemia
- Kidney Failure
- Liver Cirrhosis
- Lupus Erythematosus
- Lymphoma
- Metabolic Diseases
- Metabolic Syndrome X
- Multiple Organ Failure

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- Myocardial Infarction
- Neoplasms
- Obesity
- Osteoporosis
- Ovarian Failure
- Overweight
- Pancreatitis
- Polycystic Ovary Syndrome
- Pre-Eclampsia
- Pregnancy Complications
- Prostate cancer
- Prostatic Neoplasms
- Proteinuria
- Psychiatric Status Rating Scales
- Puberty
- Renal Insufficiency
- Schizophrenia
- Thinness
- Thrombophilia
- Tobacco Use Disorder
- Vascular Diseases
- Weight Gain
- Weight Loss
- Werner syndrome

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