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Datasheet for KOA0366

Mouse Adiponectin ELISA Kit

Overview

Description:	Mouse Adiponectin AccuSignal ELISA Kit - KOA0366
Item No.:	KOA0366
Size:	1 Kit
Applications:	ELISA
Reactivity:	Mouse
Range:	312 pg/ml - 20000 pg/ml

Product Details

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.
Synonyms:	31 kDa adipocyte complement related protein, 30 kDa adipocyte complement-related protein, ACDC, ACRP30, ADIPO_HUMAN, Adipocyte, Adipocyte C1q and collagen domain containing protein, Adipocyte complement related 30 kDa protein, Adipocyte complement-related.
Detection Kit Type:	ELISA Kit
Detection Range:	312 pg/ml - 20000 pg/ml
Sensitivity:	<10 pg/ml

Target Details

Gene Name:	ADIPOQ
Reactivity:	Mouse
Immunogen:	Expression system for standard: NSO; Immunogen sequence: E18-N247
Purity/Specificity:	Natural and recombinant full length mouse Adiponectin. There is no detectable cross-reactivity with other relevant proteins.

Relevant Links:

- UniProtKB - Q60994
- NCBI - NP_033735.3
- GeneID - 11450
- KOA0366 Protocol

Application Details

Tested Applications:	ELISA
Application Note:	Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot 0.1ml per well of the 20000pg/ml, 10000pg/ml, 5000pg/ml, 2500pg/ml, 1250pg/ml, 625pg/ml, 312pg/ml mouse Adiponectin standard solutions into the precoated 96-well plate. Add 0.1ml of the sample diluent buffer into the control well (Zero well). Add 0.1ml of each properly diluted sample of mouse cell culture supernatants, serum, plasma(heparin, EDTA), tissue homogenates or urine to each empty well. It is recommended that each mouse Adiponectin standard solution and each sample be measured in duplicate.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	312 pg/ml-20000 pg/ml
Other:	DOE: 2-8° C - 09/17/2021 -20° C - 03/18/2022

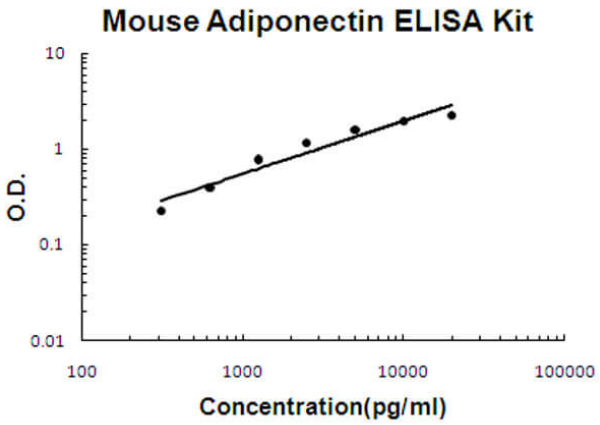
Formulation

Concentration:	1 kit
Anticoagulant:	Heparin Sodium

Shipping & Handling

Shipping Condition:	Wet Ice
Storage Condition:	Store vials at 4°C prior to opening. Centrifuge product if not completely clear after standing at room temperature. This product is stable for 6 months at 4°C as an undiluted liquid. Dilute only prior to immediate use. For extended storage freeze at -20°C or below for 12 months. Avoid cycles of freezing and thawing.
Expiration:	See kit insert for complete instructions.

Images



ELISA
Mouse Adiponectin AccuSignal ELISA Kit standard curve.
Assay Range: 312pg/ml-20000pg/ml. Sensitivity: <10pg/ml.

Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.