

Datasheet for KOA0356**Mouse Resistin ELISA Kit****Overview**

Description:	Mouse Resistin AccuSignal ELISA Kit - KOA0356
Item No.:	KOA0356
Size:	1 Kit
Applications:	ELISA
Reactivity:	Mouse
Range:	31.2 pg/ml - 2000 pg/ml

Product Details

Background:	Resistin is an adipose-derived hormone postulated to link adiposity to insulin resistance. Type 2 diabetes, characterized by target-tissue resistance to insulin, is epidemic in industrialized societies and is strongly associated with obesity. Adipocytes secrete a unique signalling molecule, which called resistin (for resistance to insulin), that may be the hormone potentially links obesity to diabetes. Resistin is overexpressed in mouse adipose tissue of obese individuals and is likely to modulate insulin sensitivity. Resistin is, therefore, a candidate gene for insulin resistance. The standard product used in this kit is mouse Resistin with the molecular mass of 51 -53KDa. The detected Resistin includes zymogen and active enzyme.
Synonyms:	Adipose tissue specific secretory factor, Adipose tissue-specific secretory factor, ADSF, C/EBP epsilon regulated myeloid specific secreted cysteine rich protein, C/EBP epsilon regulated myeloid specific secreted cysteine rich protein precursor 1, Cysteine rich secreted protein A12 alpha like 2, Cysteine rich secreted protein FIZZ3, Cysteine-rich secreted protein A12-alpha-like 2, Cysteine-rich secreted protein FIZZ3, FIZZ3, Found in inflammatory zone 3, Resistin, Resistin delta2, RETN_HUMAN, RETN1, XCP 1, XCP1
Detection Kit Type:	ELISA Kit
Detection Range:	31.2 pg/ml - 2000 pg/ml
Sensitivity:	<2 pg/ml

Target Details

Gene Name:	RETN
Reactivity:	Mouse

Immunogen:	Expression system for standard: E.coli; Immunogen sequence: S21-S114
Purity/Specificity:	Natural and recombinant mouse Resistin. There is no detectable cross-reactivity with other relevant proteins.
Relevant Links:	• UniProtKB - Q5BMX4 • NCBI - NP_001191888.1 • GenelD - 57264 • KOA0356 Protocol

Application Details

Tested Applications:	ELISA
Application Note:	Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot 0.1ml per well of the 2000pg/ml, 1000pg/ml, 500pg/ml, 250pg/ml, 125pg/ml, 62.5pg/ml, 31.2pg/ml mouse Resistin 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 supernates, serum or plasma(heparin) to each empty well. We recommend that each mouse Resistin standard solution and each sample is measured in duplicate.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.

Formulation

Anticoagulant:	Heparin Sodium
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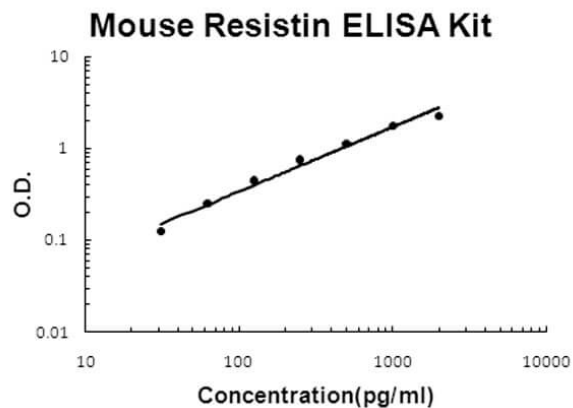
Shipping & Handling

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 Resistin AccuSignal ELISA Kit standard curve. Assay Range: 31.2pg/ml-2000pg/ml. Sensitivity: <2pg/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.