



Human Resistin ELISA KIT

Product Code	CSB-E06884h
Abbreviation	RETN
Target Name	resistin
Uniprot No.	Q9HD89
Alias	ADSF, FIZZ3, MGC126603, MGC126609, RETN1, RSTN, XCP1, C/EBP-epsilon regulated myeloid-specific secreted cysteine-rich protein precursor 1 found in inflammatory zone 3
Product Type	ELISA Kit
Immunogen Species	Homo sapiens (Human)
Sample Types	serum, plasma, tissue homogenates
Detection Range	0.312 ng/mL-20 ng/mL
Sensitivity	0.078 ng/mL
Assay Time	1-5h
Sample Volume	50-100ul
Detection Wavelength	450 nm
Lead Time	3-5 working days after you place the order, and it takes another 3-5 days for delivery via DHL or FedEx.
Research Area	Cardiovascular
Gene Names	RETN
Tag Info	quantitative
Protein Description	Sandwich
Description	This Human RETN ELISA Kit was designed for the quantitative measurement of Human RETN protein in serum, plasma, tissue homogenates. It is a Sandwich ELISA kit, its detection range is 0.312 ng/mL-20 ng/mL and the sensitivity is 0.078 ng/mL .
Target Details	This gene belongs to the family defined by the mouse resistin-like genes. The characteristic feature of this family is the C-terminal stretch of 10 cys residues with identical spacing. The mouse homolog of this protein is secreted by adipocytes, and may be the hormone potentially linking obesity to type II diabetes.
Product Precision	Intra-assay Precision (Precision within an assay): CV%<8% Three samples of known concentration were tested twenty times on one plate to assess. Inter-assay Precision (Precision between assays): CV%<10%



Three samples of known concentration were tested in twenty assays to assess.

Linearity

To assess the linearity of the assay, samples were spiked with high concentrations of human resistin in various matrices and diluted with the Sample Diluent to produce samples with values within the dynamic range of the assay.

?	Sample	Serum(n=4)
	Average %	97
1:1	Range %	92-103
	Average %	94
1:2	Range %	91-98
	Average %	102
1:4	Range %	98-106
	Average %	86
1:8	Range %	80-92

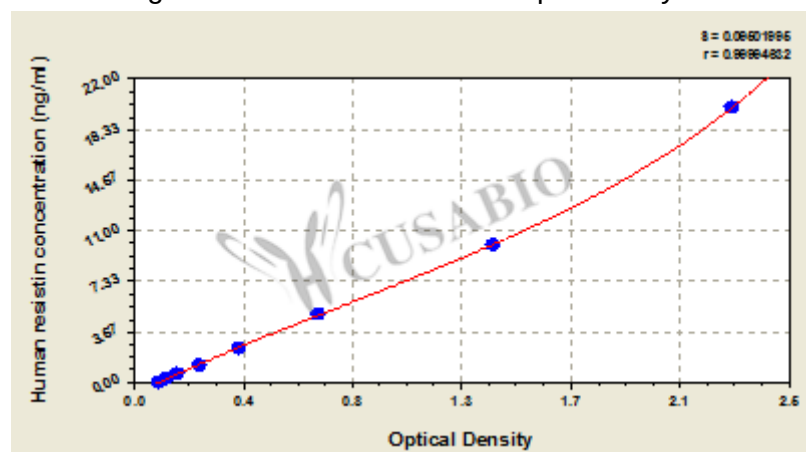
Recovery

The recovery of human resistin spiked to levels throughout the range of the assay in various matrices was evaluated. Samples were diluted prior to assay as directed in the Sample Preparation section.

Sample Type	Average % Recovery	Range
Serum (n=5)	97	90-104
EDTA plasma (n=4)	92	88-97

Typical

These standard curves are provided for demonstration only. A standard curve should be generated for each set of samples assayed.



ng/ml	OD1	OD2	Average	Corrected
20	2.285	2.330	2.308	2.204
10	1.350	1.427	1.389	1.285
5	0.701	0.733	0.717	0.613
2.5	0.400	0.424	0.412	0.308
1.25	0.256	0.268	0.262	0.158
0.625	0.178	0.169	0.174	0.070
0.312	0.132	0.129	0.131	0.027
0	0.105	0.102	0.104	?

Msds

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