

Human Resistin ELISA Kit | RETN elisa kit

Human Resistin PicoKine ELISA Kit

CATALOG #
AAA45298

REACTIVITY
Human

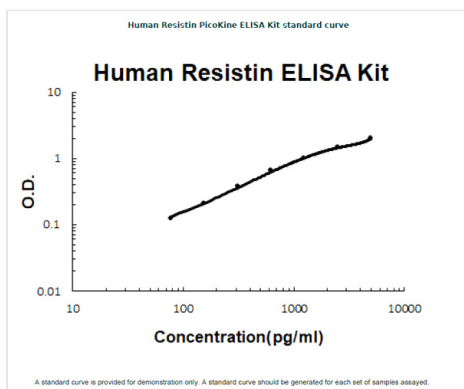
PRODUCT SYNONYMS

Resistin; Human Resistin PicoKine ELISA Kit; resistin; 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; C/EBP-epsilon-regulated myeloid-specific secreted cysteine-rich protein; 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; FIZZ 3; FIZZ3; Found in inflammatory zone 3; HXCP 1; HXCP1; MGC126603; MGC126609; PRO1199; Resistin delta2; RETN; RETN 1; RETN_HUMAN; RETN1; UNQ407; XCP 1; XCP1; RETN elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Natural and recombinant Human RETN
Sequence Length	108
Samples	Cell culture supernatants, cell lysates, serum and plasma (heparin, edta)
Detection Range	78 pg/ml - 5,000 pg/ml
Sensitivity	<3 pg/ml
Intra-assay Precision	Intra-Assay Precision (Precision within an assay): Three samples of known concentration were tested on one plate to assess intra-assay precision.
Inter-assay Precision	Inter-Assay Precision (Precision across assays): Three samples of known concentration were tested in separate assays to assess inter-assay precision.
Preparation and Storage	Store at 4 degree C for 6 months, at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles (Shipped with wet ice.)

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for RETN elisa kit	Principle of the Assay: The Picokine™ Human RETN Pre-Coated ELISA (Enzyme-Linked Immunosorbent Assay) kit is a solid-phase immunoassay specially designed to measure Human RETN with a 96-well strip plate that is pre-coated with antibody specific for RETN. The detection antibody is a biotinylated antibody specific for RETN. The capture antibody is monoclonal antibody from mouse and the detection antibody is polyclonal antibody from goat. The kit contains recombinant Human RETN with immunogen: Expression system for standard: E.coli; Immunogen sequence: K19-P108. The kit is analytically validated with ready-to-use reagents. To measure Human RETN, add standards and samples to the wells, then add the biotinylated detection antibody. Wash the wells with PBS or TBS buffer, and add Avidin-Biotin-Peroxidase Complex (ABC-HRP). Wash away the unbounded ABC-HRP with PBS or TBS buffer and add TMB. TMB is an HRP substrate and will be catalyzed to produce a blue color product, which changes into yellow after adding the acidic stop solution. The absorbance of the yellow product at 450nm is linearly proportional to Human RETN in the sample. Read the absorbance of the yellow product in each well using a plate reader, and benchmark the sample wells' readings against the standard curve to determine the concentration of Human RETN in the sample. Background/Introduction: Resistin is an adipose-derived hormone postulated to link adiposity to insulin resistance.¹ 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.² Resistin is overexpressed in human adipose tissue of obese individuals and is likely to modulate insulin sensitivity. Resistin is, therefore, a candidate gene for insulin resistance.³ The standard product used in this kit is human Resistin with the molecular mass of 51-53KDa. The detected Resistin includes zymogen and active enzyme.
--	---

NCBI AND UNIPROT INFORMATION

NCBI GI #	18202962
NCBI GeneID	56729
UniProt Accession #	Q9HD89; Q540D9; Q76B53; D6W649
Molecular Weight	8,686 Da
NCBI Official Full Name	Resistin
NCBI Official Synonym Full Names	resistin
NCBI Official Symbol	RETN
NCBI Official Synonym Symbols	ADSF; RSTN; XCP1; FIZZ3; RETN1
NCBI Protein Information	resistin; resistin delta2; found in inflammatory zone 3; cysteine-rich secreted protein FIZZ3; adipose tissue-specific secretory factor; cysteine-rich secreted protein A12-alpha-like 2; c/EBP-epsilon-regulated myeloid-specific secreted cysteine-rich protein; C/EBP-epsilon regulated myeloid-specific secreted cysteine-rich protein precursor 1
UniProt Protein Name	Resistin
UniProt Gene Name	RETN
UniProt Synonym Gene Names	FIZZ3; HXCP1; RSTN; ADSF
UniProt Entry Name	RETN_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.