

# Mouse Resistin-like beta (RETNLB) ELISA Kit

Catalog No: #EK7529



Package Size: #EK7529-1 48T #EK7529-2 96T

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## Description

Product Name	Mouse Resistin-like beta (RETNLB) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Mouse (Mus musculus)
Other Names	FIZZ1; FIZZ2; HXCP2; RELM-beta; RELMb; RELMbeta; XCP2; C/EBP-epsilon regulated myeloid-specific secreted cysteine-rich protein precursor 2 and small intestine-specific cysteine-rich protein cy
Accession No.	Q99P86
Uniprot	Q99P86
GenID	57263;
Storage	<p>The stability of ELISA kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition.</p> <p>The loss rate was determined by accelerated thermal degradation test. Keep the kit at 37C for 4 and 7 days, and compare O.D.values of the kit kept at 37C with that of at recommended temperature. (referring from China Biological Products Standard, which was calculated by the Arrhenius equation. For ELISA kit, 4 days storage at 37C can be considered as 6 months at 2 - 8C, which means 7 days at 37C equaling 12 months at 2 - 8C).</p>

## Application Details

Detect Range:6.25-400 pg/mL

Sensitivity:2.54 pg/mL

Sample Type:Serum, Plasma, Other biological fluids

Sample Volume: 1-200 µL

Assay Time:1-4.5h

Detection wavelength:450 nm

## Product Description

**Detection Method:**SandwichTest principle:This assay employs a two-site sandwich ELISA to quantitate RETNLB in samples. An antibody specific for RETNLB has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyRETNLB present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for RETNLB is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of RETNLB bound in the initial step. The color development is stopped and the intensity of the color is measured.**Product Overview:**The 111-amino acid FIZZ2 protein, which shows 59% sequence identity to mouse Fizz2 and 47% identity to human FIZZ3, shares an N-terminal signal peptide and a C-terminal stretch of 10 cysteine residues with identical spacing with other FIZZ family members. Strong expression of mouse Fizz2 mRNA was found in the adult colon in the mucosal crypt epithelial cells. Increases in circulating resistin or RELMB levels markedly stimulated hepatic glucose production despite the presence of fixed physiologic insulin levels. This enhanced rate of glucose output was due to increased flux through glucose-6-phosphatase. The results supported the notion that a novel family of fat- and gut-derived circulating proteins modulates hepatic insulin action.

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Note: This product is for in vitro research use only