

Bovine Resistin (RETN) ELISA Kit

Catalog No: #EK7531



Package Size: #EK7531-1 48T #EK7531-2 96T

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Support: tech@signalwayantibody.com

Description

Product Name	Bovine Resistin (RETN) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Bovine (Bos taurus; Cattle)
Other Names	ADSF; FIZZ3; MGC126603; MGC126609; RETN1; RSTN; XCP1; C/EBP-epsilon regulated myeloid-specific secreted cysteine-rich protein precursor 1 found in inflammatory zone 3
Accession No.	Q76215
Uniprot	Q76215
GeneID	369020;
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:15.6-1000 pg/mL

Sensitivity:6.5 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 RETN in samples. An antibody specific for RETN has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyRETN present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for RETN 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 RETN bound in the initial step. The color development is stopped and the intensity of the color is measured.**Product Overview:**Resistin, a novel adipose-derived protein, has been proposed to cause insulin-resistant states in obesity. Resistin is produced by white and brown adipose tissues but has also has been identified in several other tissues, including the hypothalamus, pituitary and adrenal glands, pancreas, gastrointestinal tract, myocytes, spleen, white blood cells and plasma. Resistin antagonizes insulin action, and is down regulated by rosiglitazone and peroxisome proliferator-activated receptor gamma agonists. Resistin is elevated in patients with type 2 diabetes and may play a role in the vascular complications of this disorder. Recently, resistin has been discussed controversially as a missing link between obesity and insulin resistance.

Note: This product is for in vitro research use only