

Human Visfatin (VF) ELISA Kit

Catalog No: #EK11207



Package Size: #EK11207-1 48T #EK11207-2 96T

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

Description

Product Name	Human Visfatin (VF) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Human (Homo sapiens)
Other Names	1110035O14Rik; DKFZp666B131; MGC117256; PBEF; PBEF1; NAMPT; VISFATIN; NAMPRase; pre-B cell-enhancing factor; pre-B-cell colony enhancing factor 1
Accession No.	P43490
Uniprot	P43490
GenID	10135;
Storage	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. 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).

Application Details

Detect Range:0.156-10 ng/mL

Sensitivity:0.059 ng/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 VF in samples. An antibody specific for VF has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyVF present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for VF 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 VF bound in the initial step. The color development is stopped and the intensity of the color is measured.**Product Overview:**Visfatin, an adipocytokine that is highly enriched in the visceral fat of both Mouses and mice and whose expression level in plasma increases during the development of obesity. Visfatin corresponds to pre-B cell colony-enhancing factor (PBEF), a 52-kD cytokine expressed in lymphocytes. The gene encoding PBEF was originally isolated from an activated lymphocyte cDNA library.The 3-prime UTR of PBEF contains several TATT motifs, destabilizing sequences characteristic of cytokine messages. The deduced 473-amino acid protein has a calculated molecular mass of 52 kDa. PBEF has a hydrophobic N terminus, 2 N-glycosylation sites, several putative phosphorylation sites, and 6 cysteines. Northern blot analysis detected transcripts of about 2.0, 2.4, and 4.0 kb in all tissues examined, with highest expression in liver, followed by muscle.

Note: This product is for in vitro research use only