

Mouse Visfatin ELISA Kit | VF elisa kit

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CATALOG #
AAA98444

REACTIVITY
Mouse

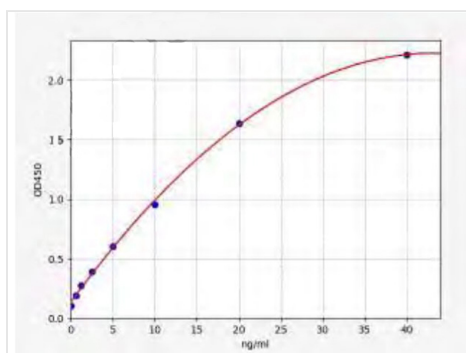
PRODUCT SYNONYMS

Visfatin; Mouse Visfatin ELISA Kit; VF/NAMPT/NAMPTase/NMPRTase/PBEF1/Visfatin/NAMPTase/Nampt/nicotinamide phosphoribosyltransferase/Pre-B cell-enhancing factor/pre-B-cell colony enhancing factor 1/Pre-B-cell colony-enhancing factor 1/VISFATIN/Visfatin/PBEF; VF elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	Specifically recognize VF, no obvious cross reaction with other analogues
Sequence Length	491
Assay Type	Sandwich
Samples	Serum, plasma, cell culture supernatant and other biological samples
Detection Range	0.625-40ng/ml
Sensitivity	0.375ng/ml
Intra-assay Precision	Intra-assay Precision: samples with low, medium and high concentration are tested 20 times on same plate.
Inter-assay Precision	Inter-assay Precision: samples with low, medium and high concentration are tested 20 times on three different plates.
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for VF elisa kit	Background: Visfatin is a protein that is also known as pre-B cell colony enhancing factor (PBEF) or nicotinamide phosphoribosyltransferase (NAMPT). It was initially discovered as a cytokine secreted by visceral adipose tissue that was shown to mimic the effects of insulin. The C-terminus of visfatin has been shown to be important for its enzymatic activity as NAMPT, which plays a key role in the production of nicotinamide adenine dinucleotide (NAD+), an important coenzyme involved in various cellular processes such as energy metabolism, DNA repair, and gene expression regulation. Principle of the Assay: This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti VF antibody was precoated onto the 96-well plate. The biotin conjugated anti VF antibody was used as the detection antibody. The standards and pilot samples were added to the wells subsequently. After incubation, unbound conjugates were removed by wash buffer. Then, biotinylated detection antibody was added to bind with VF conjugated on coated antibody. After washing off unbound conjugates, HRP-Streptavidin was added. After a third washing, TMB substrates were added to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that turned yellow after adding a stop solution. Read the O.D. absorbance at 450nm in a microplate reader. The concentration of VF in the sample was calculated by drawing a standard curve. The concentration of the target substance is proportional to the OD450 value.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	525458342
Molecular Weight	55,759 Da
NCBI Official Full Name	visfatin
UniProt Protein Name	Visfatin
UniProt Entry Name	S5MI21_LARCR

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.

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Online datasheet: <https://stage.aaabiotech.com/vf-mouse-elisa-kits/visfatin/98444>