

Rat Visfatin (VF) ELISA Kit | VF elisa kit

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CATALOG #
AAA64369

REACTIVITY
Rat

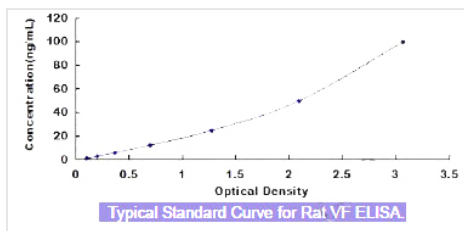
PRODUCT SYNONYMS

Visfatin (VF); Rat Visfatin (VF) ELISA Kit; Nampt; NAMPRTase; PBEF; PBEF1; Pre-B-Cell Colony Enhancing Factor; Nicotinamide Phosphoribosyltransferase; VF elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of VF. No significant cross-reactivity or interference between VF and analogues was observed.
Sequence Length	491
Samples	Serum, plasma, tissue homogenates or other biological fluids
Assay Type	Quantitative Sandwich
Detection Range	1.56-100ng/mL
Sensitivity	<0.55ng/mL.
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level VF were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level VF were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for VF elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for the in vitro quantitative measurement of VF in rat serum, plasma, tissue homogenates or other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to VF. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to VF. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain VF, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm +/- 10nm. The concentration of VF in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	29293813
NCBI GeneID	297508
NCBI Accession #	NP_808789.1
NCBI GenBank Nucleotide #	NM_177928.3
UniProt Accession #	Q80Z29; Q2VT47
Molecular Weight	55,438 Da
NCBI Official Full Name	nicotinamide phosphoribosyltransferase
NCBI Official Synonym Full Names	nicotinamide phosphoribosyltransferase
NCBI Official Symbol	Nampt
NCBI Official Synonym Symbols	Pbef; Pbef1
NCBI Protein Information	nicotinamide phosphoribosyltransferase
UniProt Protein Name	Nicotinamide phosphoribosyltransferase
UniProt Gene Name	Nampt
UniProt Synonym Gene Names	Pbef1; NAmPRTase; Nampt; PBEF

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.