

Rat Vanin 1 (VNN1) ELISA Kit | VNN1 elisa kit

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CATALOG #
AAA185824

REACTIVITY
Rat

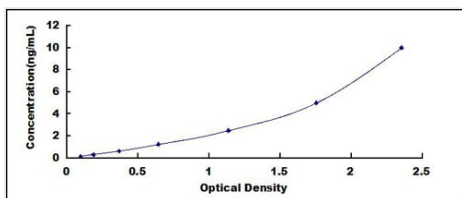
PRODUCT SYNONYMS

Vanin 1 (VNN1); Rat Vanin 1 (VNN1) ELISA Kit; Pantetheinase; Pantetheine hydrolase; Tiff66; Vascular non-inflammatory molecule 1; VNN1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of Vanin 1 (VNN1). No significant cross-reactivity or interference between Vanin 1 (VNN1) and analogues was observed.
Sequence Length	513
Assay Type	Double-antibody Sandwich
Samples	Serum, Plasma, Urine, Tissue Homogenates and Other Biological Fluids
Detection Range	0.156-10ng/mL
Sensitivity	< 0.055ng/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Vanin 1 (VNN1) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Vanin 1 (VNN1) were tested on 3 different plates, 8 replicates in each plate.
CV(%) =	SD/meanX100
Intra-Assay	CV<10%
Inter-Assay	CV<12%
Preparation and Storage	The stability of 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. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for VNN1 elisa kit	The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Vanin 1 (VNN1). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Vanin 1 (VNN1). 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 Vanin 1 (VNN1), 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 Vanin 1 (VNN1) 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 #	119568405
NCBI GeneID	8876
UniProt Accession #	O95497; Q4JFW6; Q4VAS7; Q4VAS8; Q4VAS9; Q9UF16; Q9UJF4; A8K310
Molecular Weight	57,012 Da
NCBI Official Full Name	vanin 1
NCBI Official Synonym Full Names	vanin 1
NCBI Official Symbol	VNN1
NCBI Official Synonym Symbols	HDLCQ8; Tiff66
NCBI Protein Information	pantetheinase
UniProt Protein Name	Pantetheinase
UniProt Gene Name	VNN1
UniProt Synonym Gene Names	Vanin-1

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/rat-elisa-kits/vanin-1-vnn1/185824>