

Rat Vitronectin (VTN) ELISA Kit | VTN elisa kit

Rat Vitronectin (VTN) ELISA Kit

CATALOG #
AAA63752

REACTIVITY
Rat

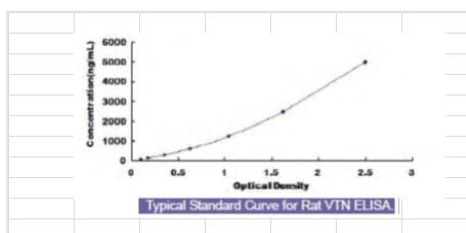
PRODUCT SYNONYMS

Vitronectin (VTN); Rat Vitronectin (VTN) ELISA Kit; V75; VN; VNT; Serum Spreading Factor; Somatomedin B; Complement S-Protein; VTN elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of VTN. No significant cross-reactivity or interference between VTN and analogues was observed.
Sequence Length	478
Samples	Serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids.
Assay Type	Sandwich
Detection Range	78.12-5000ng/mL
Sensitivity	31ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level VTN 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 VTN 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 VTN elisa kit	Intended Uses: This kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of VTN in rat serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to VTN. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to VTN. 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 VTN, 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 VTN in the samples is then determined by comparing the O.D. of the samples to the standard curve.
---	--

NCBI AND UNIPROT INFORMATION

NCBI GI #	162287178
NCBI GeneID	29169
NCBI Accession #	NP_062029.2
NCBI GenBank Nucleotide #	NM_019156.2
UniProt Accession #	Q3KR94
Molecular Weight	54,725 Da
NCBI Official Full Name	vitronectin
NCBI Official Synonym Full Names	vitronectin
NCBI Official Symbol	Vtn
NCBI Official Synonym Symbols	Vn; Aa1018
NCBI Protein Information	vitronectin
UniProt Protein Name	Protein Vtn
UniProt Gene Name	Vtn

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.