

Human Nephronectin (NPNT) ELISA Kit | NPNT elisa kit

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CATALOG #
AAA139104

REACTIVITY
Human

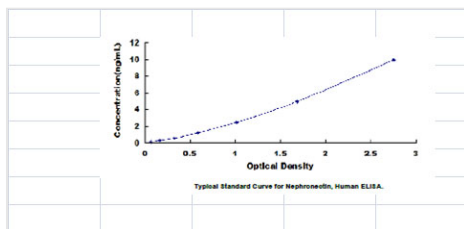
PRODUCT SYNONYMS

Nephronectin (NPNT); Human Nephronectin (NPNT) ELISA Kit; EGFL6L; POEM; Preosteoblast EGF-like repeat protein with MAM domain; Protein EGFL6-like; NPNT elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of nephronectin. No significant cross-reactivity or interference between nephronectin and analogues was observed.
Sequence Length	582
Assay Type	Double-antibody Sandwich
Samples	Tissue homogenates, Cell lysates and other biological fluids
Detection Range	0.156-10ng/mL
Sensitivity	0.055ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level nephronectin 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 nephronectin were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. 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 NPNT elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of nephronectin in human tissue homogenates, cell lysates and other biological fluids. Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to nephronectin. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to nephronectin. 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 nephronectin, 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 nephronectin in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Product Categories/Family for NPNT elisa kit	Kidney biomarker

NCBI AND UNIPROT INFORMATION

NCBI GI #	75709198
NCBI GeneID	255743
NCBI Accession #	NP_001028219.1
NCBI GenBank Nucleotide #	NM_001033047.2
UniProt Accession #	Q6UXI9; A6NFT9; A8K1W4; B4DIT4; B4DYK3; B4E2H7; B4E3H2; D6RCA1; E9PCK8; E9PCQ1; E9PE64; E9PF04
Molecular Weight	64,023 Da
NCBI Official Full Name	nephronectin isoform B
NCBI Official Synonym Full Names	nephronectin
NCBI Official Symbol	NPNT
NCBI Official Synonym Symbols	POEM; EGFL6L
NCBI Protein Information	nephronectin
UniProt Protein Name	Nephronectin
UniProt Gene Name	NPNT
UniProt Synonym Gene Names	EGFL6L; POEM
UniProt Entry Name	NPNT_HUMAN

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.