

Rat Nephroblastoma Overexpressed Gene (NOV) ELISA Kit | NOV elisa kit

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CATALOG #
AAA190199

REACTIVITY
Rat

PRODUCT SYNONYMS

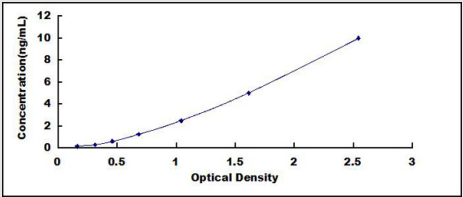
Nephroblastoma Overexpressed Gene (NOV); Rat Nephroblastoma Overexpressed Gene (NOV) ELISA Kit; NOV ELISA kit (Rat); Nephroblastoma Overexpressed Gene; CCN3; IGFBP9; NOVH; IBP-9; Insulin-like growth factor-binding protein 9; Protein NOV homolog; NOV elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of Nephroblastoma Overexpressed Gene (NOV). No significant cross-reactivity or interference between Nephroblastoma Overexpressed Gene (NOV) and analogues was observed. Reactive with Rat NOV/Nephroblastoma Overexpressed Gene
Assay Type	Double-antibody Sandwich
Samples	Tissue homogenates, Cell lysates and other biological fluids
Detection Range	0.156-10ng/mL
Sensitivity	0.061ng/mL
Sample Size	100uL
Detection Method	Colormetric
Featured Series	SE kit
Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level Nephroblastoma Overexpressed Gene (NOV) were tested 20 times on one plate, respectively. Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level Nephroblastoma Overexpressed Gene (NOV) were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100 Intra-Assay: CV<10%, Inter-Assay: CV<12%
Function	Detects protein (regular version)
Assay Procedure Summary	1. Prepare all reagents, samples and standards 2. Add 100ul standard or sample to each well. Incubate 2 hours at 37 degree C 3. Aspirate and add 100ul prepared Detection Reagent A. Incubate 1 hour at 37 degree C 4. Aspirate and wash 3 times 5. Add 100ul prepared Detection Reagent B. Incubate 30 minutes at 37 degree C 6. Aspirate and wash 5 times 7. Add 90ul Substrate Solution. Incubate 10-20 minutes at 37 degree C 8. Add 50ul Stop Solution. Read at 450nm immediately.

Test Principle	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 Nephroblastoma Overexpressed Gene (NOV). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Nephroblastoma Overexpressed Gene (NOV). 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 Nephroblastoma Overexpressed Gene (NOV), 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 Nephroblastoma Overexpressed Gene (NOV) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Research Area	Tumor immunity
Preparation and Storage	Store at 4 degree C for 1 month/-20 degree C for long-term (One year within shelf life) 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)

NCBI AND UNIPROT INFORMATION

NCBI GI #	13540697
NCBI GeneID	81526
NCBI Accession #	NP_110495.1
NCBI GenBank Nucleotide #	NM_030868.2
UniProt Accession #	Q9QZQ5
Molecular Weight	38,510 Da
NCBI Official Full Name	protein NOV homolog
NCBI Official Synonym Full Names	nephroblastoma overexpressed
NCBI Official Symbol	Nov
NCBI Protein Information	protein NOV homolog; novH; CCN family member 3; nephroblastoma overexpressed gene protein homolog; nephroblastoma-overexpressed gene protein homolog
UniProt Protein Name	Protein NOV homolog
UniProt Gene Name	Nov
UniProt Synonym Gene Names	Ccn3; NovH
UniProt Entry Name	NOV_RAT

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.

