

Human CCN3/NOV/IGFBP9 ELISA Kit | CCN3/NOV/IGFBP9 elisa kit

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CATALOG #
AAA258349

REACTIVITY
Human

PRODUCT SYNONYMS

CCN3/NOV/IGFBP9; Human CCN3/NOV/IGFBP9 ELISA Kit; NOV/CCN3 ELISA Kit; Human; nephroblastoma overexpressed; CCN3 ELISA Kit; IBP-9 ELISA Kit; IGFBP-9 ELISA Kit; IGFBP9 ELISA Kit; NOVh ELISA Kit; CCN3/NOV/IGFBP9 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	For the quantitative determination of Human CCN3/NOV/IGFBP9 concentration in serum.
Assay Type	Solid Phase Sandwich ELISA (quantitative)
Sample Types	Serum
Detection Range	93.75-6000pg/mL
Sensitivity	55.91pg/mL
Conjugation	HRP
Materials Provided	1. 96 well microplate coated with Capture Antibody 2. Detection Antibody conjugated to HRP 3. Standards 4. Wash Buffer Concentrate 5. Dilution Buffer Concentrate 6. Color Reagent A 7. Color Reagent B 8. Stop Solution

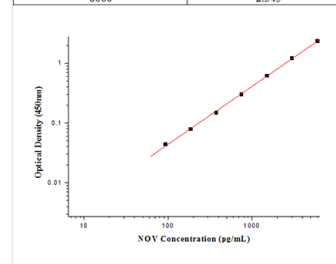
IMAGES

Recombinant human			
IL1	IL2	IL4	IL6
IL8	IL10	IL33	VEGF
GM-CSF	IFN- γ	TNF- α	MIP-1 β
SCF	PDGF	TIMP1	TIMP2

Application Data

This assay recognizes both recombinant and natural Human NOV. The factors listed above were prepared at 50ng/mL in dilution buffer and assayed for cross-reactivity. No cross-reactivity was observed.

Concentration (pg/mL.)	Zero standard subtracted OD
0	0
93.75	0.044
187.5	0.079
375	0.149
750	0.302
1500	0.620
3000	1.219
6000	2.345



Standard Curve (Sample)

This standard curve is only for demonstration purposes. A standard curve should be generated for each assay.

ADDITIONAL INFORMATION

Related Product Information for CCN3/NOV/IGFBP9 elisa kit	This NOV/CCN3 ELISA Kit, Human is an enzyme-linked immunosorbent assay for the quantitative measurement of Human NOV/CCN3 protein in Serum. It contains recombinant Human NOV/CCN3, and antibodies raised against the recombinant protein. This ELISA kit is complete and ready-to-use. Background: Protein NOV homolog, also known as Nephroblastoma-overexpressed gene protein homolog, NOV, and CCN3, is a putative ligand for integrin receptors, is tightly associated with the extracellular matrix, and mediates diverse cellular functions, including cell adhesion and proliferation. CCN3 has been shown to negatively regulate growth although it promotes migration in a cell type-specific manner. This secreted protein belongs to the CCN family, and its expression was observed in a broad variety of tissues from the early stage of development, and altered expression of CCN3 has been observed in a variety of tumors, including hepatocellular carcinomas, Wilm's tumors, Ewing's sarcomas, gliomas, rhabdomyosarcomas, and adrenocortical carcinomas. Mature CCN3 protein has five distinct modules and truncated protein variants with altered function are found in many cancers. CCN3 acts through the core stem cell signaling pathways including Notch and Bone Morphogenic Protein, connecting CCN3 with the modulation of self-renewal and maturation of some cell lineages including hematopoietic, osteogenic, and chondrogenic. CCN3 may affect the extracellular environment of the niche for hematopoietic stem cells. CCN3 has emerged as a key player in stem cell regulation, hematopoiesis, and a crucial component within the bone marrow microenvironment.
References	Manara MC, et al. (2002) The expression of ccn3(nov) gene in musculoskeletal tumors. Am J Pathol. 160(3): 849-59. Lin CG, et al. (2003) CCN3 (NOV) is a novel angiogenic regulator of the CCN protein family. J Biol Chem. 278(26): 24200-8. Vallacchi V, et al. (2009) CCN3/nephroblastoma overexpressed matricellular protein regulates integrin expression, adhesion, and dissemination in melanoma. Cancer Res. 68(3): 715-23. Sin WC, et al. (2009) Matricellular protein CCN3 (NOV) regulates actin cytoskeleton reorganization. J Biol Chem. 284(43): 29935-44. McCallum L, et al. (2009) CCN3--a key regulator of the hematopoietic compartment. Blood Rev. 23(2): 79-85.

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.

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Online datasheet: <https://www.aaabiotech.com/human-elisa-kits/ccn3-nov-igfbp9/258349>