

Human Nidogen 1 ELISA Kit | NID1 elisa kit

Human Nidogen 1 ELISA Kit

CATALOG # AAA17881	REACTIVITY Human	APPLICATIONS ELISA
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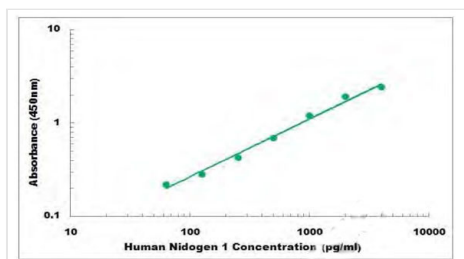
PRODUCT SYNONYMS

Nidogen 1; Human Nidogen 1 ELISA Kit; NID; Nidogen-1; NID-1; Entactin; NID1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	The Human Nidogen 1 ELISA Kit allows for the detection and quantification of endogenous levels of natural and/or recombinant Human Nidogen 1 proteins within the range of 62.5 pg/ml - 4000 pg/ml.
Sequence Length	1247
Samples	Culture Supernatants, Serum
Sensitivity	< 10 pg/ml
Applicable Applications for NID1 elisa kit	ELISA (Sandwich ELISA)
Detection Method	Colorimetric
Preparation and Storage	Shipped and store at 4 degree C for 6 months, store at -20 degree C for one year. Avoid freeze/thaw cycles.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for NID1 elisa kit	Background: Nidogen-1 (NID-1), also known as Entactin, is a protein that in humans is encoded by the NID1 gene. It is a member of the nidogen family of basement membrane glycoproteins. This gene is mapped to 1q42.3. Nidogen-1 is a component of the basement membrane alongside other components such as collagen type IV, proteoglycans (heparan sulfate and glycosaminoglycans), laminin and fibronectin. The protein interacts with several other components of basement membranes. Structurally it (along with perlecan) connects the networks formed by collagens and laminins to each other. It may also play a role in cell interactions with the extracellular matrix. Nidogen-1 also can serve as a bridge between the 2 most abundant molecules in the basement membrane: type IV collagen and laminin. Principle of the Assay: The Human Nidogen 1 ELISA (Enzyme-Linked Immunosorbent Assay) kit is an in vitro enzyme-linked immunosorbent assay for the quantitative measurement of Human Nidogen 1 in Cell Culture Supernatants, Serum. This assay employs an antibody specific for Human Nidogen 1 coated on a 96-well plate. Standards and samples are pipetted into the wells and Nidogen 1 present in a sample is bound to the wells by the immobilized antibody. The wells are washed and biotinylated anti-Human Nidogen 1 antibody is added. After washing away unbound biotinylated antibody, HRP-conjugated streptavidin is pipetted to the wells. The wells are again washed, a TMB substrate solution is added to the wells and color develops in proportion to the amount of Nidogen 1 bound. The Stop Solution changes the color from blue to yellow, and the intensity of the color is measured at 450 nm.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	115298674
NCBI GeneID	4811
NCBI Accession #	NP_002499.2
NCBI GenBank Nucleotide #	NM_002508.2
UniProt Accession #	P14543; Q14942; Q59FL2; Q5TAF2; Q5TAF3; Q86XD7
Molecular Weight	122,017 Da
NCBI Official Full Name	nidogen-1
NCBI Official Synonym Full Names	nidogen 1
NCBI Official Symbol	NID1
NCBI Official Synonym Symbols	NID
NCBI Protein Information	nidogen-1; NID-1; enactin; entactin
UniProt Protein Name	Nidogen-1
UniProt Gene Name	NID1
UniProt Synonym Gene Names	NID; NID-1
UniProt Entry Name	NID1_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.

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Online datasheet: <https://stage.aaabiotech.com/nid1-human-elisa-kits/nidogen-1/17881>