

## Human Nidogen (NID) ELISA Kit

Catalog No: #EK11202



Package Size: #EK11202-1 48T #EK11202-2 96T

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

## Description

Product Name	Human Nidogen (NID) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Human (Homo sapiens)
Other Names	NID; enactin entactin
Accession No.	P14543
Uniprot	P14543
GeneID	4811;
Storage	<p>The stability of ELISA 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.</p> <p>The loss rate was determined by accelerated thermal degradation test. Keep the kit at 37C for 4 and 7 days, and compare O.D.values of the kit kept at 37C with that of at recommended temperature. (referring from China Biological Products Standard, which was calculated by the Arrhenius equation. For ELISA kit, 4 days storage at 37C can be considered as 6 months at 2 - 8C, which means 7 days at 37C equaling 12 months at 2 - 8C).</p>

## Application Details

Detect Range:0.78-50 ng/mL

Sensitivity:0.33 ng/mL

Sample Type:Serum, Plasma, Other biological fluids

Sample Volume: 1-200 µL

Assay Time:1-4.5h

Detection wavelength:450 nm

## Product Description

**Detection Method:**SandwichTest principle:This assay employs a two-site sandwich ELISA to quantitate NID1 in samples. An antibody specific for NID1 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyNID1 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for NID1 is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of NID1 bound in the initial step. The color development is stopped and the intensity of the color is measured.**Product Overview:**Entactin (or nidogen) is a component of the basement membrane alongside other components such as collagen type IV, proteoglycans ( heparan sulfate and glycosaminoglycans), laminin and fibronectin.

Entactin (or nidogen) is a member of the nidogen family of basement membrane glycoproteins. The protein interacts with several other components of basement membranes, and may play a role in cell interactions with the extracellular matrix.

Entactin, a 150-kD sulfated glycoprotein, is a major component of basement membranes and forms a highly stable noncovalent complex with laminin. Durkin et al. (1988) derived the complete amino acid sequence of mouse entactin from sequencing of cDNA clones.

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Note: This product is for in vitro research use only