Mouse Nidogen-2 (NID2) ELISA Kit

Catalog No: #EK11492

Package Size: #EK11492-1 48T #EK11492-2 96T

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

Description

Product Name	Mouse Nidogen-2 (NID2) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Mouse (Mus musculus)
Other Names	Nidogen 2|osteonidogen
Accession No.	O88322
Uniprot	O88322
GeneID	18074;
Storage	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. 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).

Application Details

Detect Range:0.156-10 ng/mL

Sensitivity:0.057 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 NID2 in samples. An antibody specific for NID2 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyNID2 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for NID2 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 NID2 bound in the initial step. The color development is stopped and the intensity of the color is measured.Product Overview:NID2 protein, 46% identical to NID1, contains a 30-residue signal peptide, 49 primarily central cys residues, 5 potential N-linked glycosylation sites, 2 tyr residues in a potential O-sulfation sequence, and a YGD rather than an RGD cell adhesion sequence.SDS-PAGE analysis showed that NID2 is expressed as a 200-kD protein, larger than the calculated mass of 148 kD, presumably due to oligosaccharide substitution as indicated by hexosamine analysis. Northern blot analysis revealed ubiquitous expression of a 5.5-kb NID2 transcript that was strongest in heart and placenta, moderate in pancreas, kidney, and skeletal muscle, and weakest in brain. Immunoblot analysis detected expression of NID2 in muscle, heart, placenta, kidney, skin, and testis, with weaker expression in liver and brain.

Note: This product is for in vitro research use only