Porcine Neutrophil Gelatinase Associated Lipocalin (NGAL) ELISA Kit | NGAL elisa kit

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CATALOG #	REACTIVITY
AAA64901	**Porcine**

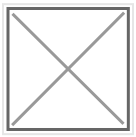
PRODUCT SYNONYMS

Neutrophil Gelatinase Associated Lipocalin (NGAL); Porcine Neutrophil Gelatinase Associated Lipocalin (NGAL) ELISA Kit; LCN2; p25; Lipocalin 2; Oncogene 24p3; 25 kDa alpha-2-microglobulin-related subunit of MMP-9; Siderocalin LCN2; NGAL elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Porcine
Specificity	This assay has high sensitivity and excellent specificity for detection of NGAL. No significant cross-reactivity or interference between NGAL and analogues was observed.
Sequence Length	199
Samples	Serum, plasma and other biological fluids.
Assay Type	Sandwich
Detection Range	1.56-100ng/mL
Sensitivity	0.64ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level NGAL were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level NGAL were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for NGAL elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of NGAL in porcine serum, plasma and other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to NGAL. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to NGAL. 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 NGAL, 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 NGAL in the samples is then determined by comparing the O.D. of the samples to the standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	346986374
NCBI GeneID	100153501
NCBI Accession #	NP_001231339.1
NCBI GenBank Nucleotide #	NM_001244410.1
UniProt Accession #	F1RRX1
Molecular Weight	22,446 Da
NCBI Official Full Name	neutrophil gelatinase-associated lipocalin
NCBI Official Symbol	LCN2
NCBI Protein Information	neutrophil gelatinase-associated lipocalin
UniProt Protein Name	Uncharacterized protein
UniProt Gene Name	**LCN2**

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/porcine-elisa-kits/neutrophil-gelatinase-associated-lipocalin-ngal/64901