

Mouse Neutrophil gelatinase-associated lipocalin (NGAL) CLIA Kit | NGAL clia kit

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CATALOG # AAA189022	REACTIVITY Mouse	APPLICATIONS CLIA (Chemiluminescence Immunoassay)
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PRODUCT SYNONYMS

Neutrophil gelatinase-associated lipocalin (NGAL); Mouse Neutrophil gelatinase-associated lipocalin (NGAL) CLIA Kit; Neutrophil gelatinase-associated lipocalin; Lipocalin-2; LCN2; p25; Lipocalin 2; Oncogene 24p3; 25 kDa alpha-2-microglobulin-related subunit of MMP-9; Siderocalin LCN2; NGAL clia kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of Neutrophil gelatinase-associated lipocalin (NGAL). No significant cross-reactivity or interference between Neutrophil gelatinase-associated lipocalin (NGAL) and analogues was observed.
Sequence Length	200
Assay Type	Double-antibody Sandwich
Samples	Serum, plasma, urine, tissue homogenates, cell lysates, cell culture supernates and other biological fluids
Detection Range	27.4-20,000pg/mL
Sensitivity	The minimum detectable dose of this kit is typically less than 10.2pg/mL
Applicable Applications for NGAL clia kit	CLIA (Chemiluminescence Immunoassay)
Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level Neutrophil gelatinase-associated lipocalin (NGAL) were tested 20 times on one plate, respectively. Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level Neutrophil gelatinase-associated lipocalin (NGAL) were tested on 3 different plates, 8 replicates in each plate. $CV(\%) = SD/mean \times 100$ Intra-Assay: $CV < 10\%$ Inter-Assay: $CV < 12\%$
Test Principle	The microplate provided in this kit has been pre-coated with an antibody specific to Neutrophil gelatinase-associated lipocalin (NGAL). Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to Neutrophil gelatinase-associated lipocalin (NGAL). Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. Then the mixture of substrate A and B is added to generate glow light emission kinetics. Upon plate development, the intensity of the emitted light is proportional to the Neutrophil gelatinase-associated lipocalin (NGAL) level in the sample or standard.
Preparation and Storage	The stability of 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. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

NCBI AND UNIPROT INFORMATION

NCBI GI #	34328049
NCBI GeneID	16819
NCBI Accession #	NP_032517.1
NCBI GenBank Nucleotide #	NP_032517.1
UniProt Accession #	P11672
NCBI Official Full Name	neutrophil gelatinase-associated lipocalin
NCBI Official Synonym Full Names	lipocalin 2
NCBI Official Symbol	Lcn2
NCBI Official Synonym Symbols	NRL; 24p3; Sip24; AW212229
NCBI Protein Information	neutrophil gelatinase-associated lipocalin
UniProt Protein Name	Neutrophil gelatinase-associated lipocalin
UniProt Gene Name	Lcn2
UniProt Synonym Gene Names	NGAL
UniProt Entry Name	NGAL_MOUSE

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/mouse-clia-kits/neutrophil-gelatinase-associated-lipocalin-ngal/189022>