

Canine Neutrophil Gelatinase Associated Lipocalin ELISA Kit | LCN2/NGAL elisa kit

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CATALOG #
AAA90238

REACTIVITY
Canine

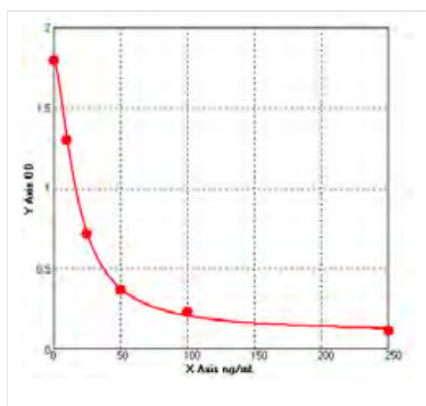
PRODUCT SYNONYMS

Neutrophil Gelatinase Associated Lipocalin; Canine Neutrophil Gelatinase Associated Lipocalin ELISA Kit; LCN2/NGAL elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Canine
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. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between NGAL and all the analogues, therefore, cross reaction may still exist in some cases.
Assay Type	Quantitative Competitive
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Sensitivity	1.0 ng/mL
Intended Uses	This NGAL/LCN2 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Canine NGAL/LCN2. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for LCN2/NGAL elisa kit	Principle of the Assay: NGAL ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-NGAL antibody and an NGAL-HRP conjugate. The assay sample and buffer are incubated together with NGAL-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the NGAL concentration since NGAL from samples and NGAL-HRP conjugate compete for the anti-NGAL antibody binding site. Since the number of sites is limited, as more sites are occupied by NGAL from the sample, fewer sites are left to bind NGAL-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The NGAL concentration in each sample is interpolated from this standard curve. Intended Uses: This NGAL ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Canine NGAL. This ELISA kit for research use only, not for therapeutic or test applications!
Product Categories/Family for LCN2/NGAL elisa kit	Cell Biology

NCBI AND UNIPROT INFORMATION

NCBI GI #	38455402
NCBI GeneID	3934
NCBI Accession #	NP_005555.2
NCBI GenBank Nucleotide #	NM_005564.3
Molecular Weight	22,457 Da
NCBI Official Full Name	neutrophil gelatinase-associated lipocalin
NCBI Official Synonym Full Names	lipocalin 2
NCBI Official Symbol	LCN2
NCBI Official Synonym Symbols	24p3; MSFI; NGAL
NCBI Protein Information	neutrophil gelatinase-associated lipocalin; p25; lipocalin-2; oncogene 24p3; siderocalin LCN2; migration-stimulating factor inhibitor; 25 kDa alpha-2-microglobulin-related subunit of MMP-9
UniProt Protein Name	Neutrophil gelatinase-associated lipocalin
UniProt Gene Name	LCN2
UniProt Synonym Gene Names	HNL; NGAL; NGAL
UniProt Entry Name	NGAL_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/lcn2-ngal-canine-elisa-kits/neutrophil-gelatinase-associated-lipocalin/90238>