

Dog NGAL (Lipocalin-2) ELISA Kit | LCN2 elisa kit

Dog NGAL ELISA Kit

CATALOG # AAA76951	REACTIVITY Dog
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PRODUCT SYNONYMS

NGAL (Lipocalin-2); Dog NGAL ELISA Kit; Dog NGAL (Lipocalin-2); LCN2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Dog
Specificity	This ELISA is specific for the measurement of natural and recombinant mouse and rat Nampt. It does not cross-react with human Nampt, human adiponectin, mouse adiponectin, mouse resistin, mouse vaspin, mouse RBP4, mouse GPX3, mouse progranulin, mouse IL-33, mouse clusterin, mouse ANGPTL3, mouse ANGPTL4, mouse ANGPTL6, mouse leptin, mouse TNF-alpha.
Assay Type	Sandwich
Samples	Immunoperoxidase Assay for Determination of Lipocalin-2/NGAL in Dog Samples
Intra-assay Precision	Six samples of known concentrations of mouse and rat Nampt were assayed in replicates 5 times to test precision within an assay
Inter-assay Precision	Six samples of known concentrations of mouse and rat Nampt were assayed in 6 separate assays to test precision between assays.
Preparation and Storage	Store at 4 degree C.

ADDITIONAL INFORMATION

Related Product Information for LCN2 elisa kit	Principle of the Assay: The principle of the double antibody sandwich ELISA is represented in Figure 1. In this assay the lipocalin- 2/NGAL (NGAL) present in samples reacts with the anti-NGAL antibodies which have been adsorbed to the surface of polystyrene microtitre wells. After the removal of unbound proteins by washing, the Detection Antibody, biotin conjugated anti-NGAL, is added and complexes are formed. Following a wash step, the horseradish peroxidase (HRP) conjugated Streptavidin is added and complexes are formed. After another washing step, the complexes are assayed by the addition of a chromogenic substrate, 3,3',5,5'- tetramethylbenzidine (TMB). The quantity of bound enzyme varies directly with the concentration of NGAL in the sample tested; thus, the absorbance, at 450 nm, is a measure of the concentration of NGAL in the test sample. The quantity of NGAL in the test sample can be interpolated from the standard curve constructed from the standards, and corrected for sample dilution. Intended Uses: The NGAL test kit is a highly sensitive two-site enzyme linked immunoassay (ELISA) for measuring NGAL in dog biological samples. If the ELISA is to be used outside the intended use, the user may need to optimize for said use.
Product Categories/Family for LCN2 elisa kit	ELISA Kit

NCBI AND UNIPROT INFORMATION

NCBI GI #	38455402
NCBI GeneID	3934
NCBI Accession #	NP_005555.2

NCBI GenBank Nucleotide #	NM_005564.3
UniProt Accession #	P80188 ; P30150 ; Q5SYV9 ; Q5SYW0 ; Q6FGL5 ; Q92683 ; A6NII8 ; B4DWV4 ; B7ZAA2
Molecular Weight	22,588 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; siderocalin; oncogene 24p3; OTTHUMP00000022238; OTTHUMP00000022239; OTTHUMP00000022240; 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
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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://www.aaabiotech.com/dog-elisa-kits/ngal-lipocalin-2/76951>