Chicken Neutrophil Gelatinase Associated Lipocalin/Lipocalin-2 ELISA Kit | NGAL / LCN2 elisa kit

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CATALOG #	REACTIVITY
AAA93532	**Chicken**

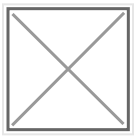
PRODUCT SYNONYMS

Neutrophil Gelatinase Associated Lipocalin/Lipocalin-2; Chicken Neutrophil Gelatinase Associated Lipocalin/Lipocalin-2 ELISA Kit; NGAL / LCN2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Chicken
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Sensitivity	1.0 pg/mL.
Preparation and Storage	Store all reagents at 2-8 degree C

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for NGAL / LCN2 elisa kit	**Intended Uses:** This NGAL/LCN2 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Chicken NGAL/LCN2. This ELISA kit for research use only! **Principle of the Assay:** NGAL/LCN2 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-NGAL/LCN2 antibody and an NGAL/LCN2-HRP conjugate. The assay sample and buffer are incubated together with NGAL/LCN2-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/LCN2 concentration since NGAL/LCN2 from samples and NGAL/LCN2-HRP conjugate compete for the anti-NGAL/LCN2 antibody binding site. Since the number of sites is limited, as more sites are occupied by NGAL/LCN2 from the sample, fewer sites are left to bind NGAL/LCN2-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The NGAL/LCN2 concentration in each sample is interpolated from this standard curve.
Product Categories/Family for NGAL / LCN2 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
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; 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/ngal-lcn2-chicken-elisa-kits/neutrophil-gelatinase-associated-lipocalin-lipocalin-2/93532