

Rat lipocalin 2 ELISA Kit | LCN2 elisa kit

Rat neutrophil gelatinase-associated lipocalin, NGAL ELISA Kit

CATALOG #
AAA79750

REACTIVITY
Rat

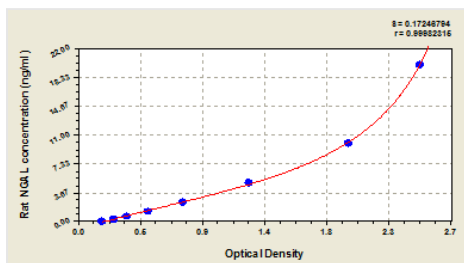
PRODUCT SYNONYMS

lipocalin 2; Rat neutrophil gelatinase-associated lipocalin; NGAL ELISA Kit; 24p3; MSFI; NGAL; OTTHUMP00000022240; migration-stimulating factor inhibitor; neutrophil gelatinase-associated lipocalin; oncogene 24p3; siderocalin; LCN2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of rat NGAL. No significant cross-reactivity or interference between rat NGAL and analogues was observed.
Sequence Length	198
Samples	serum, plasma, urine, tissue homogenates
Assay Type	Quantitative Sandwich
Detection Range	0.312 ng/ml -20 ng/ml
Sensitivity	<0.078 ng/ml.
Intra-assay Precision	Intra-assay Precision (Precision within an assay): CV%<8%. Three samples of known concentration were tested twenty times on one plate to assess
Inter-assay Precision	Inter-assay Precision (Precision between assays): CV%<10%. Three samples of known concentration were tested in twenty assays to assess.
Preparation and Storage	Unopened test kits should be stored at 2 to 8 degree C upon receipt. Please refer to pdf manual for further storage instructions.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for LCN2 elisa kit	Principle of the Assay: This assay employs the quantitative sandwich enzyme immunoassay technique. Antibody specific for NGAL has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any NGAL present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for NGAL is added to the wells. After washing, avidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of NGAL bound in the initial step. The color development is stopped and the intensity of the color is measured.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	18543345
NCBI GeneID	170496
NCBI Accession #	NP_570097.1
NCBI GenBank Nucleotide #	NM_130741.1
UniProt Accession #	P30152; Q5HZF1
Molecular Weight	22,476 Da
NCBI Official Full Name	neutrophil gelatinase-associated lipocalin
NCBI Official Synonym Full Names	lipocalin 2
NCBI Official Symbol	Lcn2
NCBI Official Synonym Symbols	Sip24
NCBI Protein Information	neutrophil gelatinase-associated lipocalin; p25; NGAL; lipocalin-2; siderocalin LCN2; lipocalin 2 (oncogene 24p3); alpha-2U globulin-related protein; alpha-2-microglobulin-related protein
UniProt Protein Name	Neutrophil gelatinase-associated lipocalin
UniProt Gene Name	Lcn2
UniProt Synonym Gene Names	NGAL
UniProt Entry Name	NGAL_RAT

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-rat-elisa-kits/lipocalin-2/79750>