

Human lipocalin 2 ELISA Kit | NGAL elisa kit

Human neutrophil gelatinase-associated lipocalin, NGAL ELISA Kit

CATALOG #
AAA80408

REACTIVITY
Human

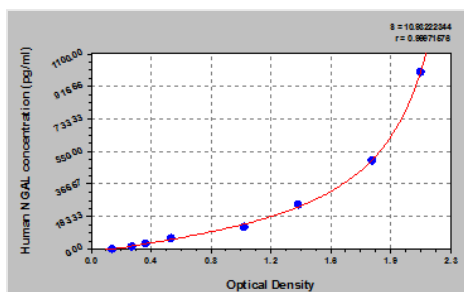
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Human LCN2. No significant cross-reactivity or interference between Human LCN2 and analogues was observed.
Sequence Length	198
Samples	Serum, plasma, urine and tissue homogenates
Detection Range	31.25 pg/ml-2000 pg/ml
Sensitivity	24.210 pg/ml
Intra-assay Precision	Intra-assay Precision (Precision within an assay): CV% is less than 8% Three samples of known concentration were tested twenty times on one plate to assess. Inter-assay Precision (Precision between assays): CV% is less than 10% Three samples of known concentration were tested in twenty assays to assess.
Detection Wavelength	450 nm
Sample Volume	50-100ul
Protein Biological Process 1	Metabolism
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 NGAL elisa kit	Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to NGAL. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific for NGAL and Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. Then a TMB (3,3',5,5' tetramethyl-benzidine) substrate solution is added to each well. Only those wells that contain NGAL, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm +/- 2 nm. The concentration of NGAL in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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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; 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-human-elisa-kits/lipocalin-2/80408>