

Human Lipocalin 2 ELISA Kit | LCN2 elisa kit

Human Lipocalin 2 ELISA Kit

CATALOG #
AAA85533

REACTIVITY
Human

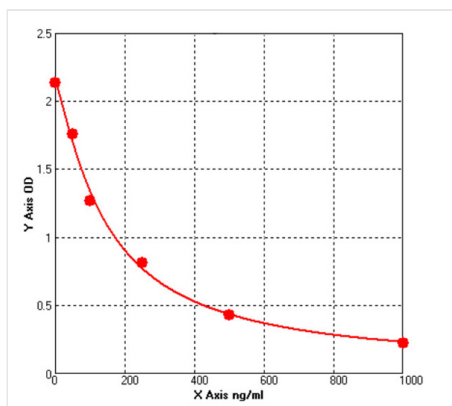
PRODUCT SYNONYMS

Lipocalin 2; Human Lipocalin 2 ELISA Kit; LCN2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of LCN2/NGAL. No significant cross-reactivity or interference between LCN2/NGAL and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between LCN2/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
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for LCN2 elisa kit	Principle of the Assay: LCN2/NGAL ELISA kit applies the competitive enzyme immunoassay technique utilizing an anti-LCN2/NGAL antibody and an LCN2/NGAL-HRP conjugate. The assay sample and buffer are incubated together with LCN2/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 LCN2/NGAL concentration since LCN2/NGAL from samples and LCN2/NGAL-HRP conjugate compete for the anti-LCN2/NGAL antibody binding site. Since the number of sites is limited, as more sites are occupied by LCN2/NGAL from the sample, fewer sites are left to bind LCN2/NGAL-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The LCN2/NGAL concentration in each sample is interpolated from this standard curve. Intended Uses: This LCN2/NGAL ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human LCN2/NGAL. This ELISA kit for research use only, not for therapeutic or test applications!
--	---

NCBI AND UNIPROT INFORMATION

NCBI GI #	49457137
UniProt Accession #	P80188; P30150; Q5SYV9; Q5SYW0; Q6FGL5; Q92683; A6NII8; B4DWV4; B7ZAA2
Molecular Weight	22,457 Da
NCBI Official Full Name	LCN2, partial
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.