

Human Lipocalin 1 (LCN1) ELISA Kit | LCN1 elisa kit

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CATALOG #
AAA244936

REACTIVITY
Human

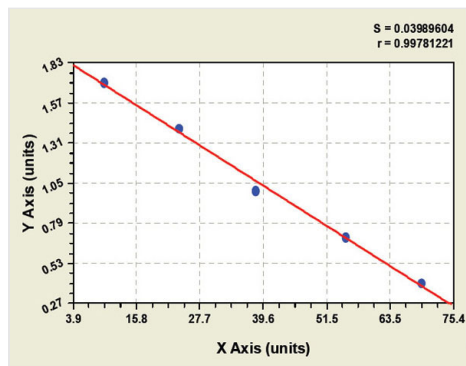
PRODUCT SYNONYMS

Lipocalin 1 (LCN1); Human Lipocalin 1 (LCN1) ELISA Kit; LCN1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	5.0-100ng/mL
Sensitivity	0.1ng/mL
Intended Uses	This LCN1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human LCN1. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for LCN1 elisa kit

Principle of the assay: LCN1 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-LCN1 antibody and an LCN1-HRP conjugate. The assay sample and buffer are incubated together with LCN1-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 LCN1 concentration since LCN1 from samples and LCN1-HRP conjugate compete for the anti-LCN1 antibody binding site. Since the number of sites is limited, as more sites are occupied by LCN1 from the sample, fewer sites are left to bind LCN1-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The LCN1 concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4504963
NCBI GeneID	3933
NCBI Accession #	NP_002288.1
NCBI GenBank Nucleotide #	NM_002297.3
Molecular Weight	19,250 Da
NCBI Official Full Name	lipocalin-1 isoform 1
NCBI Official Synonym Full Names	lipocalin 1
NCBI Official Symbol	LCN1
NCBI Official Synonym Symbols	TP; TLC; PMFA; VEGP
NCBI Protein Information	lipocalin-1; VEG protein; tear prealbumin; Von Ebner gland protein; lipocalin 1 (tear prealbumin); protein migrating faster than albumin
UniProt Protein Name	Lipocalin-1
UniProt Gene Name	LCN1
UniProt Synonym Gene Names	VEGP; Tlc; TP; VEG protein
UniProt Entry Name	LCN1_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.