

Human Hormone Sensitive Lipase ELISA Kit | HSL elisa kit

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CATALOG #
AAA84454

REACTIVITY
Human

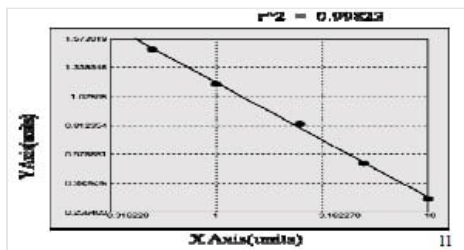
PRODUCT SYNONYMS

Hormone Sensitive Lipase; Human Hormone Sensitive Lipase ELISA Kit; HSL elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive or Sandwich
Detection Range	0.5-10ng/mL
Sensitivity	0.1ng/mL
Intended Uses	This HSL ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human HSL. 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 HSL elisa kit

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

Product Categories/Family for HSL elisa kit

Cardiovascular

NCBI AND UNIPROT INFORMATION

NCBI GI #	21328446
NCBI GeneID	3991
NCBI Accession #	NP_005348.2
NCBI GenBank Nucleotide #	NM_005357.3
Molecular Weight	84,128 Da
NCBI Official Full Name	hormone-sensitive lipase
NCBI Official Synonym Full Names	lipase, hormone-sensitive
NCBI Official Symbol	LIPE
NCBI Official Synonym Symbols	HSL; LHS; AOMS4
NCBI Protein Information	hormone-sensitive lipase; hormone-sensitive lipase testicular isoform
UniProt Protein Name	Hormone-sensitive lipase
UniProt Gene Name	LIPE
UniProt Synonym Gene Names	HSL
UniProt Entry Name	LIPS_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/hsl-human-elisa-kits/hormone-sensitive-lipase/84454>