

Rat Hormone Sensitive Lipase ELISA Kit | HSL elisa kit

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CATALOG #
AAA82275

REACTIVITY
Rat

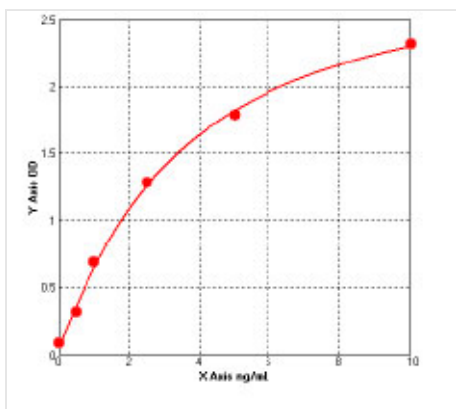
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Rat
Samples	Serum, Plasma, Cell Culture Supernatants, Body Fluid And Tissue Homogenate
Assay Type	Quantitative Competitive
Sensitivity	0.1 ng/mL.
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for HSL elisa kit

Intended Uses: This HSD17B13 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Monkey HSD17B13. This ELISA kit for research use only!

Principle of the Assay: HSD17B13 ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-HSD17B13 antibody and an HSD17B13-HRP conjugate. The assay sample and buffer are incubated together with HSD17B13-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 HSD17B13 concentration since HSD17B13 from samples and HSD17B13-HRP conjugate compete for the anti-HSD17B13 antibody binding site. Since the number of sites is limited, as more sites are occupied by HSD17B13 from the sample, fewer sites are left to bind HSD17B13-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The HSD17B13 concentration in each sample is interpolated from this standard curve.

Product Categories/Family for HSL elisa kit	Cardiovascular
References	Exercise-induced lactate accumulation regulates intramuscular triglyceride metabolism via transforming growth factor- β 1 mediated pathways. Rohollah Nikooiea, Sajadian Samaneh (2016)

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-rat-elisa-kits/hormone-sensitive-lipase/82275>