

Rat Hormone-sensitive lipase ELISA Kit | Lipe elisa kit

Rat Hormone-sensitive lipase ELISA Kit

CATALOG #
AAA99391

REACTIVITY
Rat

PRODUCT SYNONYMS

Hormone-sensitive lipase; Rat Hormone-sensitive lipase ELISA Kit; Lipe/HSL/LHS/LIPE/hormone-sensitive lipase/hormone-sensitive lipase testicular isoform/HSL/HSLEC 3.1.1.79/LHS/lipase; hormone-sensitive/LIPE; Lipe elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of Lipe . No significant cross-reactivity or interference between Lipe and analogues was observed.
Sequence Length	759
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	31.25-2000pg/ml
Sensitivity	18.75pg/ml
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level Lipe were tested 20 times on one plate, respectively. Intra-Assay: CV<8%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level Lipe were tested on 3 different plates, 8 replicates in each plate. CV (%) = SD/meanX100. Inter-Assay: CV<10%
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES

Typical Data & Standard Curve									
Results of a typical standard operation of a Lipe ELISA Kit are listed below. This standard curve was generated at our lab for demonstrative purpose only. Users shall obtain standard curve as per experiment by themselves. (N/A/not applicable)									
X	pg/ml	0	31.25	62.5	125	250	500	1000	2000
Y	OD450	0.175	0.494	0.696	1.02	1.443	1.863	2.243	2.636

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for Lipe elisa kit

Principle of the Assay: This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti- Lipe antibody was pre-coated onto 96-well plates. And the biotin conjugated anti- Lipe antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and washed with wash buffer. HRPStreptavidin was added and unbound conjugates were washed away with wash buffer. TMB substrates were used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the Lipe amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of Lipe can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #	87239972
NCBI GeneID	16890
NCBI Accession #	NP_001034596.1
NCBI GenBank Nucleotide #	NM_001039507.2
Molecular Weight	88,027 Da
NCBI Official Full Name	hormone-sensitive lipase isoform 2
NCBI Official Synonym Full Names	lipase, hormone sensitive
NCBI Official Symbol	Lipe
NCBI Official Synonym Symbols	HSL; 4933403G17Rik
NCBI Protein Information	hormone-sensitive lipase
UniProt Protein Name	Hormone-sensitive lipase
UniProt Gene Name	Lipe
UniProt Synonym Gene Names	HSL
UniProt Entry Name	LIPS_MOUSE

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/lipe-rat-elisa-kits/hormone-sensitive-lipase/99391>