

## Mouse Hormone Sensitive Lipase ELISA Kit | HSL elisa kit

Mouse Hormone Sensitive Lipase ELISA Kit

CATALOG #  
**AAA15995**

REACTIVITY  
**Mouse**

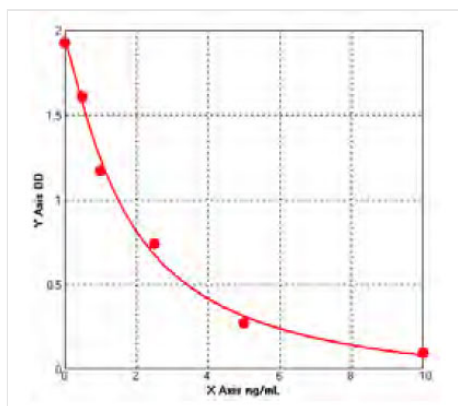
### PRODUCT SYNONYMS

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

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                                                                                                                                                                                                                       |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Mouse                                                                                                                                                                                                                                                                                                                                                                                 |
| Specificity             | This assay has high sensitivity and excellent specificity for detection of HSL. No significant cross-reactivity or interference between HSL and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between HSL and all the analogues, therefore, cross reaction may still exist in some cases. |
| 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 | <p>Intended Uses: This HSL ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of MouseHSL. This ELISA kit for research use only, not for therapeutic or test applications!</p> <p>Principle of the Assay: HSL ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal 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.</p> |
| 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-mouse-elisa-kits/hormone-sensitive-lipase/15995>