

## Rat Endothelial lipase ELISA Kit | EL elisa kit

Rat Endothelial lipase ELISA Kit

CATALOG #  
AAA97714

REACTIVITY  
Rat

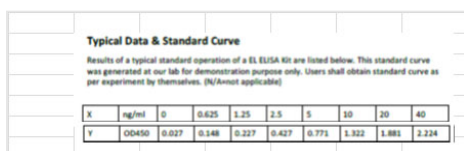
### PRODUCT SYNONYMS

Endothelial lipase; Rat Endothelial lipase ELISA Kit; EL (Endothelial lipase); EL elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                                         |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Rat                                                                                                                                                                                                     |
| Specificity             | This assay has high sensitivity and excellent specificity for detection of EL. No significant crossreactivity or interference between EL and analogues was observed.                                    |
| Sequence Length         | 500                                                                                                                                                                                                     |
| Assay Type              | Sandwich ELISA, Double Antibody                                                                                                                                                                         |
| Samples                 | Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples                                                                                                                    |
| Detection Range         | 0.625-40ng/ml                                                                                                                                                                                           |
| Sensitivity             | 0.375ng/ml                                                                                                                                                                                              |
| Intra-assay Precision   | Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level EL 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 EL 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



Standard Curve (Sample)

### ADDITIONAL INFORMATION

#### Related Product Information for EL elisa kit

Principle of the Assay: This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti- EL antibody was pre-coated onto 96-well plates. And the biotin conjugated anti- EL 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 EL amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of EL can be calculated.

NCBI AND UNIPROT INFORMATION

|                                  |                            |
|----------------------------------|----------------------------|
| NCBI GI #                        | 4836419                    |
| NCBI GeneID                      | 9388                       |
| Molecular Weight                 | 39,362 Da                  |
| NCBI Official Full Name          | endothelial lipase         |
| NCBI Official Synonym Full Names | lipase G, endothelial type |
| NCBI Official Symbol             | LIPG                       |
| NCBI Official Synonym Symbols    | EL; EDL; PRO719            |
| NCBI Protein Information         | endothelial lipase         |
| UniProt Protein Name             | Endothelial lipase         |
| UniProt Gene Name                | <b>LIPG</b>                |
| UniProt Synonym Gene Names       | EDL; EL                    |
| UniProt Entry Name               | LIPE_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | [contact@aaabiotech.com](mailto:contact@aaabiotech.com)  
Online datasheet: <https://stage.aaabiotech.com/el-rat-elisa-kits/endothelial-lipase/97714>