

## Mouse Dihydrolipoyl Dehydrogenase ELISA Kit | DLD elisa kit

Mouse Dihydrolipoyl Dehydrogenase ELISA Kit

CATALOG #  
**AAA102194**

REACTIVITY  
**Mouse**

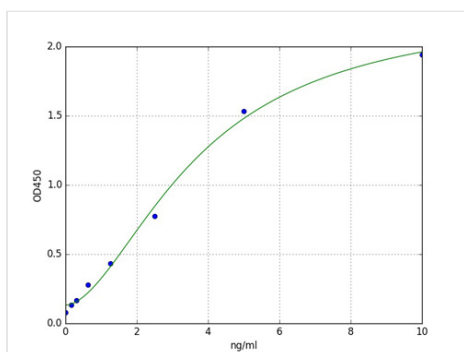
### PRODUCT SYNONYMS

Dihydrolipoyl Dehydrogenase; Mouse Dihydrolipoyl Dehydrogenase ELISA Kit; DLD/Diaphorase/DLD/DLDD/DLDH/GCSL/LAD/Lipoamide Dehydrogenase/PHE3/2-oxo-glutarate complex; branched chain keto acid dehydrogenase complex)/branched chain keto acid dehydrogenase complex/dihydrolipoamide dehydrogenase (E3 component of pyruvate dehydrogenase complex/dihydrolipoamide dehydrogenasemitochondrial/DLDH/E3/E3 component of pyruvate dehydrogenase complex; 2-oxo-glutarate complex/EC 1.8.1/EC 1.8.1.4/GCSL/Glycine cleavage system L protein/glycine cleavage system protein L/lipoamide dehydrogenase/lipoamide reductase/lipoyl dehydrogenase; DLD elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                              |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Mouse                                                                                                                                                        |
| Sequence Length         | 495                                                                                                                                                          |
| Assay Type              | Sandwich ELISA, Double Antibody                                                                                                                              |
| Samples                 | Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples                                                                         |
| Detection Range         | 0.156-10ng/ml                                                                                                                                                |
| Sensitivity             | 0.094ng/ml                                                                                                                                                   |
| 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)

#### Typical Data & Standard Curve

Results of a typical standard run of a Mouse DLD ELISA Kit are shown below. This standard curve was generated at our lab for demonstration purpose only. Each user should obtain their own standard curve as per experiment. (N/A=not applicable)

| X | ng/ml | 0     | 0.156 | 0.313 | 0.625 | 1.25  | 2.5   | 5     | 10    |
|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Y | OD450 | 0.002 | 0.033 | 0.135 | 0.245 | 0.503 | 0.799 | 1.515 | 3.067 |

Standard Curve (Sample)

### ADDITIONAL INFORMATION

#### Related Product Information for DLD elisa kit

**Principle of the Assay**||This kit was based on sandwich enzyme-linked immune-sorbent assay technology. anti-Mouse DLD antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-Mouse DLD antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and wash with wash buffer. HRP-Streptavidin 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 Mouse DLD amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of Mouse DLD can be calculated.

NCBI AND UNIPROT INFORMATION

|                           |                             |
|---------------------------|-----------------------------|
| NCBI GI #                 | 914097020                   |
| NCBI GeneID               | 106100662                   |
| NCBI Accession #          | NP_001298596.1              |
| NCBI GenBank Nucleotide # | NM_001311667.1              |
| NCBI Official Full Name   | dihydrolipoyl dehydrogenase |
| NCBI Official Symbol      | LOC106100662                |
| NCBI Protein Information  | dihydrolipoyl dehydrogenase |

**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/dld-mouse-elisa-kits/dihydrolipoyl-dehydrogenase/102194>