

Human Dihydrolipoyl Dehydrogenase ELISA Kit | DLD elisa kit

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CATALOG #
AAA85050

REACTIVITY
Human

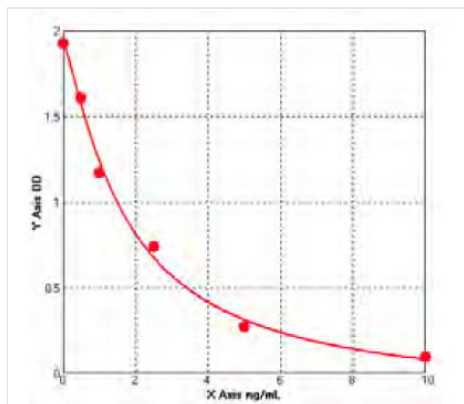
PRODUCT SYNONYMS

Dihydrolipoyl Dehydrogenase; Human Dihydrolipoyl Dehydrogenase ELISA Kit; DLD elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of DLD. No significant cross-reactivity or interference between DLD and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between DLD 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	1.0 ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for DLD elisa kit	Intended Uses: This DLD ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human DLD. This ELISA kit for research use only, not for therapeutic or test applications! Principle of the Assay: DLD ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-DLD antibody and an DLD-HRP conjugate. The assay sample and buffer are incubated together with DLD-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 DLD concentration since DLD from samples and DLD-HRP conjugate compete for the anti-DLD antibody binding site. Since the number of sites is limited, as more sites are occupied by DLD from the sample, fewer sites are left to bind DLD-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The DLD concentration in each sample is interpolated from this standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	327398555
NCBI Accession #	YP_004339424.1
NCBI GenBank Nucleotide #	NC_015318.1
Molecular Weight	51,573 Da
NCBI Official Full Name	dihydrolipoyl dehydrogenase
UniProt Protein Name	Dihydrolipoyl dehydrogenase
UniProt Entry Name	F2LTP0_HIPMA

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/dld-human-elisa-kits/dihydrolipoyl-dehydrogenase/85050>