

## Product datasheet for **TA397046**

### DLD Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, IP, WB
Recommended Dilution:	<b>WB:</b> 1:500 - 1:5,000 <b>ELISA:</b> 1:5,000 - 1:20,000
Reactivity:	Porcine
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Lipoamide Dehydrogenase [Porcine Heart]
Specificity:	Anti-Lipoamide dehydrogenase antibody is an IgG fraction antibody purified from monospecific antiserum by a multi-step process which includes delipidation, salt fractionation and ion exchange chromatography followed by extensive dialysis against the buffer stated above. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Biotin, anti-Rabbit Serum as well as purified and partially purified Lipoamide Dehydrogenase [Porcine Heart]. Cross reactivity against Lipoamide Dehydrogenase from other sources may occur but have not been specifically determined.
Formulation:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Reconstitution Method:	Restore with deionized water (or equivalent) - Reconstitution Volume: 100 µL
Concentration:	1.0 mg/mL - lot specific
Conjugation:	Biotin
Storage:	Store vial at 4° C prior to restoration. For extended storage aliquot contents and freeze at -20° C or below. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.
Stability:	Expiration date is one (1) year from date of receipt.
Database Link:	<u><a href="#">P09623</a></u>



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<b>Background:</b>	Anti-Lipoamide dehydrogenase recognizes the protein lipoamide dehydrogenase. Lipoamide dehydrogenase catalyzes the conversion of lipoamide to dihydrolipoamide with the concomitant oxidation of NADH to NAD <sup>+</sup> . Lipoamide dehydrogenase is known to play a role in alpha-ketoacid dehydrogenase complexes as well glycine cleavage system. Defects in lipoamide dehydrogenase result in congenital infantile acidosis and maple syrup urine disease. Anti-Lipoamide dehydrogenase is suitable for investigators interested in metabolism, neurology, and cancer.
<b>Synonyms:</b>	rabbit anti-Lipoamide Dehydrogenase Antibody biotin Conjugation, biotin Conjugated rabbit anti-Lipoamide Dehydrogenase Antibody, Dihydrolipoyl dehydrogenase mitochondrial, Dihydrolipoamide dehydrogenase, Lipoamide Dehydrogenase
<b>Note:</b>	Anti-Lipoamide dehydrogenase Biotin Conjugated antibody has been tested by ELISA and western blot. This product is assayed against 1.0 ug of Lipoamide Dehydrogenase in a standard capture ELISA using Peroxidase Conjugated Streptavidin #S000-03 and ABTS (2,2'-azino-bis-[3-ethylbenthiazoline-6-sulfonic acid]) code # ABTS-100 as a substrate for 30 minutes at room temperature. A working dilution of 1:4,000 to 1:20,000 of the reconstitution concentration is suggested for this product.