

Datasheet for 200-4660-0100**Lipoamide Dehydrogenase Antibody Biotin Conjugated****Overview**

Description:	Anti-Lipoamide Dehydrogenase (Porcine Heart) (RABBIT) Antibody Biotin Conjugated - 200-4660-0100
Item No.:	200-4660-0100
Size:	100 µg
Applications:	ELISA, WB
Reactivity:	Pig
Host Species:	Rabbit

Product Details

Background:	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 ⁺ . 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.
Synonyms:	rabbit anti-Lipoamide Dehydrogenase Antibody biotin Conjugation, biotin Conjugated rabbit anti-Lipoamide Dehydrogenase Antibody, Dihydrolipoyl dehydrogenase mitochondrial, Dihydrolipoamide dehydrogenase, Lipoamide Dehydrogenase
Host Species:	Rabbit
Conjugate:	Biotin
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	DLD LAD
Reactivity:	Pig
Immunogen Type:	Native Protein

Immunogen:	Lipoamide Dehydrogenase [Porcine Heart]
Purity/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.
Relevant Links:	• UniProtKB - P09623 • NCBI - 118675 • GenelD - 397129

Application Details

Tested Applications:	ELISA, WB
Application Note:	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.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	1:5,000 - 1:20,000
IP:	1:100
WB:	1:500 - 1:5,000

Formulation

Physical State:	Lyophilized
Concentration:	1.0 mg/mL by UV absorbance at 280 nm
Buffer:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Preservative:	0.01% (w/v) Sodium Azide
Stabilizer:	10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free
Reconstitution Volume:	100 µL
Reconstitution Buffer:	Restore with deionized water (or equivalent)

Shipping & Handling

Shipping Condition:	Ambient
Storage Condition:	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.
Expiration:	Expiration date is one (1) year from date of receipt.

Disclaimer

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