

Datasheet for 200-4660S

Lipoamide Dehydrogenase Antibody Biotin Conjugated**Overview**

Description:	Anti-Lipoamide Dehydrogenase (Porcine Heart) (RABBIT) Antibody Biotin Conjugated - 200-4660S
Item No.:	200-4660S
Size:	25 µL
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-ethylbenthiiazoline-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:	Liquid (sterile filtered)
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

Shipping & Handling

Shipping Condition:	Dry Ice
Storage Condition:	Store vial at -20° C or below prior to opening. This vial contains a relatively low volume of reagent (25 µL). To minimize loss of volume dilute 1:10 by adding 225 µL of the buffer stated above directly to the vial. Recap, mix thoroughly and briefly centrifuge to collect the volume at the bottom of the vial. Use this intermediate dilution when calculating final dilutions as recommended below. Store the vial at -20°C or below after dilution. Avoid cycles of freezing and thawing.
Expiration:	Expiration date is one (1) year from date of receipt.

Disclaimer

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