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Datasheet for 200-4360

Lipoamide Dehydrogenase Antibody Peroxidase Conjugated

Overview

Description:	Anti-Lipoamide Dehydrogenase (Porcine Heart) (RABBIT) Antibody Peroxidase Conjugated (BULK ORDER) - 200-4360
Item No.:	200-4360
Size:	20 mg
Applications:	ELISA, WB
Reactivity:	Pig
Host Species:	Rabbit

Product Details

Background:	Lipoamide Dehydrogenase encodes the L protein of the mitochondrial glycine cleavage system. Mutations in this gene have been identified in patients with E3-deficient maple syrup urine disease and lipoamide dehydrogenase deficiency.
Synonyms:	rabbit anti-Lipoamide Dehydrogenase Antibody Peroxidase Conjugation, HRP Conjugated rabbit anti-Lipoamide Dehydrogenase Antibody, Dihydrolipoyl dehydrogenase mitochondrial, Dihydrolipoamide dehydrogenase, Lipoamide Dehydrogenase
Host Species:	Rabbit
Conjugate:	Peroxidase (HRP)
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	DLD LAD
Reactivity:	Pig
Immunogen Type:	Native Protein
Immunogen:	Lipoamide Dehydrogenase [Porcine Heart]

Purity/Specificity:	Lipoamide Dehydrogenase 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-Peroxidase, anti-Rabbit Serum as well as purified and partially purified Lipoamide Dehydrogenase [Porcine Heart]. Cross reactivity against Lipoamide Dehydrogenase from other sources is unknown.
Relevant Links:	• UniProtKB - P09623 • NCBI - 118675 • GeneID - 397129

Application Details

Tested Applications:	ELISA, WB
Application Note:	Anti-Lipoamide Dehydrogenase Peroxidase Conjugated Antibody has been tested by ELISA and Western blot and is assayed against 1.0 ug of Lipoamide Dehydrogenase [Porcine Heart] in a standard capture ELISA using 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 1:2,000 to 1:10,000 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:	10 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) Gentamicin Sulfate. Do NOT add Sodium Azide!
Stabilizer:	10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free
Reconstitution Volume:	2.0 mL
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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