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Datasheet for ABIN1607839

anti-Malate Dehydrogenase (MDH) antibody (Biotin)

Overview

Quantity:	100 µg
Target:	Malate Dehydrogenase (MDH)
Reactivity:	Pig
Host:	Sheep
Clonality:	Polyclonal
Conjugate:	Biotin
Application:	ELISA, Western Blotting (WB), Immunoprecipitation (IP)

Product Details

Immunogen:	Malate Dehydrogenase [Pig Heart] Immunogen Type: Native Protein
Isotype:	IgG
Cross-Reactivity (Details):	Cross reactivity against Malate Dehydrogenase from other sources is unknown.
Purity:	Anti-Malate 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-Sheep Serum as well as purified and partially purified Malate Dehydrogenase [Pig Heart].
Endotoxin Level:	Low Endotoxin : No

Target Details

Target:	Malate Dehydrogenase (MDH)
Alternative Name:	Malate Dehydrogenase (MDH Products)
Background:	Anti-Malate dehydrogenase recognizes the protein malate dehydrogenase, an oxidoreductase that catalyzes the oxidation of malate to oxaloacetate with the concomitant reduction of NAD ⁺ to NADH. This reaction occurs in various metabolic pathways, the most notable being the citric acid cycle and gluconeogenesis. Two isoforms of malate dehydrogenase exist in eukaryotes localized in either the cytoplasm or the mitochondrial matrix. Synonyms: Malate dehydrogenase, cytoplasmic EC=1.1.1.37 Cytosolic malate dehydrogenase
Gene ID:	396894
UniProt:	P11708
Pathways:	Regulation of Lipid Metabolism by PPARalpha

Application Details

Application Notes:	<p>Anti-Malate dehydrogenase antibody has been assayed against 1.0 µg of Malate 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 1:3.000 to 1:11.000 of the reconstitution concentration is suggested for this product. This product has been assayed against 1.0 µg of Malate 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 1:3.000 to 1:11.000 of the reconstitution concentration is suggested for this product.</p> <p>ELISA Dilution: 1:5.000 - 1:20.000</p> <p>IF Immunoprecipitation Dilution: 1:100</p> <p>Western Blot Dilution: 1:500 - 1:5.000</p>
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	10 mg/mL
Buffer:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2 Stabilizer: 10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free

Handling

Handling Advice:	Store the vial at -20°C or below after dilution. Avoid cycles of freezing and thawing.
Storage:	-20 °C
Storage Comment:	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.
Expiry Date:	Expiration date is one (1) year from date of opening.