

Product datasheet for **TA397093**

MDH1 Sheep Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, IP, WB
Recommended Dilution:	WB: 1:500 - 1:5,000 ELISA: 1:5,000 - 1:20,000
Reactivity:	Porcine
Host:	Sheep
Clonality:	Polyclonal
Immunogen:	Malate Dehydrogenase [Pig Heart]
Specificity:	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]. Cross reactivity against Malate Dehydrogenase from other sources is unknown.
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>P11708</u>
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 mitochondrial the matrix.



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Synonyms:	sheep anti-Malate Dehydrogenase biotin conjugated Antibody, biotin conjugated sheep anti-Malate Dehydrogenase Antibody, cytoplasmic, Cytosolic malate dehydrogenase
Note:	Anti-Malate dehydrogenase antibody has been assayed against 1.0 ug 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. T