

ARG82179 Malate Dehydrogenase Activity Assay Kit (Colorimetric)

Package: 100 tests
Store at: -20°C

Summary

Product Description	ARG82179 Malate Dehydrogenase Activity Assay Kit (Colorimetric) can be used to measure Malate Dehydrogenase activity in serum, plasma, erythrocytes, tissue and cell culture supernatants.
Tested Reactivity	Hu, Ms, Rat, All
Tested Application	FuncSt
Target Name	Malate Dehydrogenase
Conjugation Note	Read at 565 nm
Sensitivity	0.5 U/L
Detection Range	0.5 - 65 U/L
Sample Type	serum, plasma, erythrocytes, tissue and cell culture supernatants
Sample Volume	20 µl
Alternate Names	Diiodophenylpyruvate reductase; MDHA; MOR2; HEL-S-32; Cytosolic malate dehydrogenase; EC 1.1.1.37; Malate dehydrogenase, cytoplasmic; EC 1.1.1.96; MDH-s; MGC:1375

Application Instructions

Application Note	Please note that this kit does not include a microplate.
Assay Time	30 min

Properties

Form	Liquid
Storage instruction	Store the kit at -20°C. Do not expose test reagents to heat, sun or strong light during storage and usage. Please refer to the product user manual for detail temperatures of the components.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	MDH1
Gene Full Name	malate dehydrogenase 1, NAD (soluble)
Background	Malate dehydrogenase catalyzes the reversible oxidation of malate to oxaloacetate, utilizing the NAD/NADH cofactor system in the citric acid cycle. The protein encoded by this gene is localized to the cytoplasm and may play pivotal roles in the malate-aspartate shuttle that operates in the metabolic coordination between cytosol and mitochondria. Alternatively spliced transcript variants encoding distinct isoforms have been found for this gene.[provided by RefSeq, Nov 2010]
Highlight	Related products: Malate Dehydrogenase antibodies ; Malate Dehydrogenase ELISA Kits ; Related news: TCA intermediate fumarate promotes mitobiogenesis

PTM

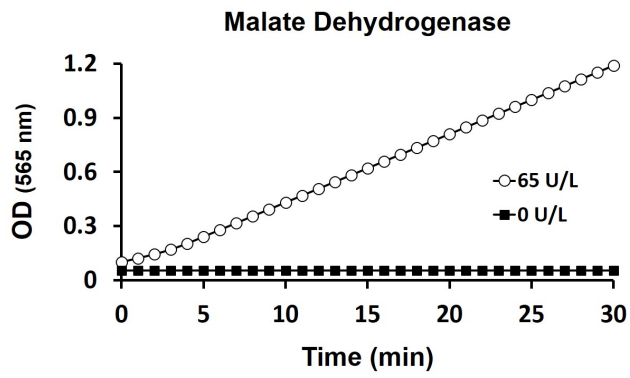
ISGylated.

Acetylation at Lys-118 dramatically enhances enzymatic activity and promotes adipogenic differentiation. [UniProt]

Cellular Localization

Cytoplasm. [UniProt]

Images



ARG82179 Malate Dehydrogenase Activity Assay Kit (Colorimetric) enzyme kinetics graph

Kinetics of 0 and 65 U/L Malate Dehydrogenase reaction, using ARG82179 Malate Dehydrogenase Activity Assay Kit (Colorimetric).
