

Human malate dehydrogenase 1, NAD (soluble) ELISA Kit | MDH1 elisa kit

Human Malate Dehydrogenase 1, MDH1 ELISA Kit

CATALOG #
AAA79573

REACTIVITY
Human

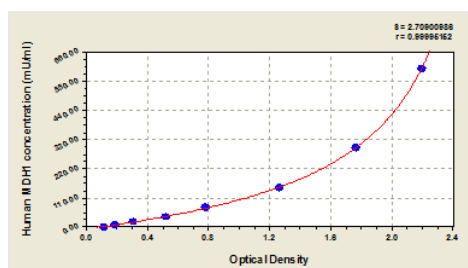
PRODUCT SYNONYMS

malate dehydrogenase 1; NAD (soluble); Human Malate Dehydrogenase 1; MDH1 ELISA Kit; Human Malate Dehydrogenase 1 (MDH1) ELISA Kit; MDH-s; MDHA; MGC:1375; MOR2; cytosolic malate dehydrogenase; soluble malate dehydrogenase; MDH1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Human MDH1. No significant cross-reactivity or interference between Human MDH1 and analogues was observed.
Sequence Length	352
Samples	Serum, plasma, tissue homogenates and Cell lysates
Assay Type	Sandwich
Detection Range	9.38 mU/ml-600 mU/ml
Sensitivity	2.35 mU/ml
Intra-assay Precision	Intra-assay Precision (Precision within an assay): CV% is less than 8% Three samples of known concentration were tested twenty times on one plate to assess. Inter-assay Precision (Precision between assays): CV% is less than 10% Three samples of known concentration were tested in twenty assays to assess.
Detection Wavelength	450 nm
Sample Volume	50-100ul
Protein Biological Process 1	Biosynthesis/Metabolism
Protein Biological Process 3	Tricarboxylic acid cycle
Preparation and Storage	Unopened test kits should be stored at 2 to 8 degree C upon receipt. Please refer to pdf manual for further storage instructions.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for MDH1 elisa kit	Principle of the Assay: This assay employs the quantitative sandwich enzyme immunoassay technique. Antibody specific for MDH1 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any MDH1 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for MDH1 is added to the wells. After washing, avidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of MDH1 bound in the initial step. The color development is stopped and the intensity of the color is measured.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	312283701
NCBI GeneID	4190
NCBI Accession #	NP_001186040.1
NCBI GenBank Nucleotide #	NM_001199111.1
UniProt Accession #	P40925; Q6I9V0; B2R5V5; B4DUN2; B7Z3I7; F5H098
Molecular Weight	36,426 Da
NCBI Official Full Name	malate dehydrogenase, cytoplasmic isoform 1
NCBI Official Synonym Full Names	malate dehydrogenase 1, NAD (soluble)
NCBI Official Symbol	MDH1
NCBI Official Synonym Symbols	MDHA; MOR2; MDH-s; HEL-S-32; MGC:1375
NCBI Protein Information	malate dehydrogenase, cytoplasmic; soluble malate dehydrogenase; cytosolic malate dehydrogenase; diiodophenylpyruvate reductase; epididymis secretory protein Li 32
UniProt Protein Name	Malate dehydrogenase, cytoplasmic
UniProt Gene Name	MDH1
UniProt Synonym Gene Names	MDHA
UniProt Entry Name	MDHC_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/mdh1-human-elisa-kits/malate-dehydrogenase-1-nad-soluble/79573>