

Human Malic Enzyme 2, NADP+ Dependent, Mitochondrial (ME2) ELISA Kit | ME2 elisa kit

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CATALOG #
AAA138812

REACTIVITY
Human

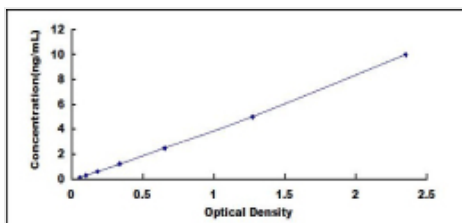
PRODUCT SYNONYMS

Malic Enzyme 2; NADP+ Dependent; Mitochondrial (ME2); Human Malic Enzyme 2; Mitochondrial (ME2) ELISA Kit; ME2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Malic Enzyme 2, NADP+ Dependent, Mitochondrial (ME2). No significant cross-reactivity or interference between Malic Enzyme 2, NADP+ Dependent, Mitochondrial (ME2) and analogues was observed.
Sequence Length	479
Assay Type	Double-antibody Sandwich
Samples	Tissue homogenates, Cell lysates and other biological fluids
Detection Range	0.156-10ng/mL
Sensitivity	0.057ng/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Malic Enzyme 2, NADP+ Dependent, Mitochondrial (ME2) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Malic Enzyme 2, NADP+ Dependent, Mitochondrial (ME2) were tested on 3 different plates, 8 replicates in each plate.
CV(%) =	SD/meanX100
Intra-Assay	CV<10%
Inter-Assay	CV<12%
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ME2 elisa kit	The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Malic Enzyme 2, NADP+ Dependent, Mitochondrial (ME2). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Malic Enzyme 2, NADP+ Dependent, Mitochondrial (ME2). Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain Malic Enzyme 2, NADP+ Dependent, Mitochondrial (ME2), biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm ± 10nm. The concentration of Malic Enzyme 2, NADP+ Dependent, Mitochondrial (ME2) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Product Categories/Family for ME2 elisa kit	Enzyme & Kinase

NCBI AND UNIPROT INFORMATION

NCBI GI #	119583385
NCBI GeneID	4200
UniProt Accession #	P23368; Q9BWL6; Q9BYG1; Q9H4B2; B2R8J2
Molecular Weight	53,586 Da
NCBI Official Full Name	malic enzyme 2, NAD(+)-dependent, mitochondrial, isoform CRA_b
NCBI Official Synonym Full Names	malic enzyme 2, NAD(+)-dependent, mitochondrial
NCBI Official Symbol	ME2
NCBI Official Synonym Symbols	ODS1
NCBI Protein Information	NAD-dependent malic enzyme, mitochondrial
UniProt Protein Name	NAD-dependent malic enzyme, mitochondrial
UniProt Gene Name	ME2
UniProt Synonym Gene Names	NAD-ME
UniProt Entry Name	MAOM_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.

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Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/malic-enzyme-2-nadp-dependent-mitochondrial-me2/138812>