

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

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CATALOG #
AAA271951

REACTIVITY
Human

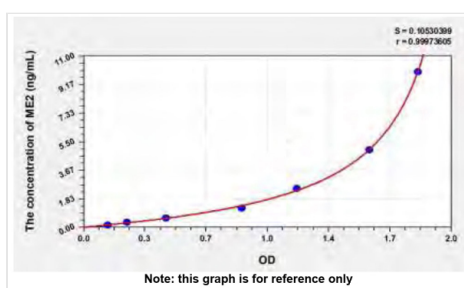
PRODUCT SYNONYMS

ME2 (Malic Enzyme 2; NADP+ Dependent; Mitochondrial); Human ME2 (Malic Enzyme 2; Mitochondrial) ELISA Kit; Malate dehydrogenase; Malic enzyme 2; Malic enzyme 2 mitochondrial; Malic enzyme 2 NAD(+) dependent mitochondrial; Malic enzyme mitochondrial; Malic enzyme NAD(+) dependent mitochondrial; MAOM_HUMAN; ME 2; ME2; mitochondrial; NAD dependent malic enzyme mitochondrial; NAD ME; NAD-dependent malic enzyme; NAD-ME; ODS1; Pyruvic malic carboxylase; ME2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Human ME2. No significant cross-reactivity or interference between Human ME2 and analogues was observed.
Assay Type	Sandwich
Detection Range	0.16-10 ng/mL
Sensitivity	0.054 ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay)? CV%<8% Three samples of known concentration were tested twenty times on one plate to assess intra-assay precision.
Inter-assay Precision	Inter-assay Precision (Precision between assays)? CV%<10% Three samples of known concentration were tested in forty separate assays to assess inter-assay precision.
Preparation and Storage	Store at 2-8 degree C. Stable for 6 months from date of receipt.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ME2 elisa kit	Principle of the Assay: 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 added to the appropriate microtiter plate wells then 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 OD of the samples to the standard curve.
Product Categories/Family for ME2 elisa kit	Enzyme & Kinase

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/me2-malic-enzyme-2-nadp-dependent-mitochondrial/271951>