

Human NADP dependent malic enzyme (ME1) ELISA Kit | ME1 elisa kit

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CATALOG #
AAA246309

REACTIVITY
Human

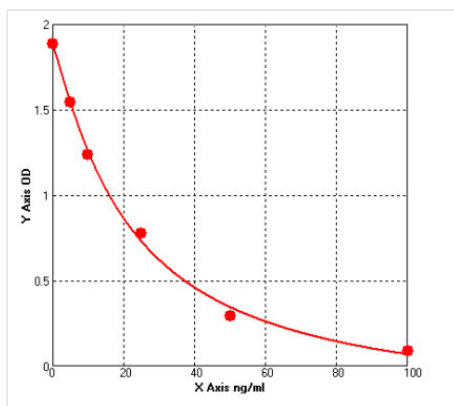
PRODUCT SYNONYMS

NADP dependent malic enzyme (ME1); Human NADP dependent malic enzyme (ME1) ELISA Kit; ME1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of ME1. No significant cross-reactivity or interference between ME1 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between ME1 and all the analogues, therefore, cross reaction may still exist in some cases.
Assay Type	Quantitative Competitive
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Sensitivity	1.0 ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ME1 elisa kit	Principle of the Assay: ME1 ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-ME1 antibody and an ME1-HRP conjugate. The assay sample and buffer are incubated together with ME1-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the ME1 concentration since ME1 from samples and ME1-HRP conjugate compete for the anti-ME1 antibody binding site. Since the number of sites is limited, as more sites are occupied by ME1 from the sample, fewer sites are left to bind ME1-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The ME1 concentration in each sample is interpolated from this standard curve. Intended Uses: This ME1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human ME1. This ELISA kit for research use only, not for therapeutic or test applications!
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4505143
NCBI GeneID	4199
NCBI Accession #	NP_002386.1
NCBI GenBank Nucleotide #	NM_002395.5
Molecular Weight	64,150 Da
NCBI Official Full Name	NADP-dependent malic enzyme
NCBI Official Synonym Full Names	malic enzyme 1, NADP(+)-dependent, cytosolic
NCBI Official Symbol	ME1
NCBI Official Synonym Symbols	MES; HUMNDME
NCBI Protein Information	NADP-dependent malic enzyme; NADP-ME; malate dehydrogenase; malic enzyme 1, soluble; Malic enzyme, cytoplasmic; pyruvic-malic carboxylase
UniProt Protein Name	NADP-dependent malic enzyme
UniProt Gene Name	ME1
UniProt Synonym Gene Names	NADP-ME
UniProt Entry Name	MAOX_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/nadp-dependent-malic-enzyme-me1/246309>