

Mouse Malic Enzyme ELISA Kit | ME elisa kit

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CATALOG #
AAA85739

REACTIVITY
Mouse

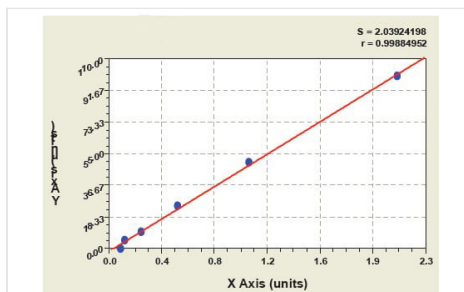
PRODUCT SYNONYMS

Malic Enzyme; Mouse Malic Enzyme ELISA Kit; ME elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive or Sandwich
Detection Range	5.0-100ng/mL
Sensitivity	1.0ng/mL
Intended Uses	This ME ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of mouse ME. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ME elisa kit

Principle of the Assay: ME ELISA kit applies the quantitative sandwich enzyme immunoassay technique. The microtiter plate has been pre-coated with a monoclonal antibody specific for ME. Standards or samples are then added to the microtiter plate wells and ME if present, will bind to the antibody pre-coated wells. In order to quantitatively determine the amount of ME present in the sample, a standardized preparation of horseradish peroxidase (HRP) -conjugated polyclonal antibody, specific for ME are added to each well to "sandwich" the ME immobilized on the plate. The microtiter plate undergoes incubation, and then the wells are thoroughly washed to remove all unbound components. Next, substrate solutions are added to each well. The enzyme (HRP) and substrate are allowed to react over a short incubation period. Only those wells that contain ME and enzyme-conjugated antibody will exhibit a change in color. The enzyme-substrate reaction is terminated by addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The ME concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	24646388
NCBI GeneID	47173
NCBI Accession #	NP_731739.1
NCBI GenBank Nucleotide #	NM_169479.2
Molecular Weight	84,626 Da
NCBI Official Full Name	malic enzyme, isoform A
NCBI Official Synonym Full Names	Malic enzyme
NCBI Official Symbol	Men
NCBI Official Synonym Symbols	anon-WO0118547.278; CG10120; DmelCG10120; MDH; Mdh-NADP; Me; ME; mem; men; MEN
NCBI Protein Information	CG10120 gene product from transcript CG10120-RB; CG10120-PA; CG10120-PB; CG10120-PC; Men-PA; Men-PB; Men-PC; NADP-dependent malate dehydrogenase; NADP-malic enzyme
UniProt Protein Name	Malic enzyme
UniProt Gene Name	Men
UniProt Synonym Gene Names	CG10120; Dmel_CG10120
UniProt Entry Name	Q9VG31_DROME

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/me-mouse-elisa-kits/malic-enzyme/85739>