

Rat Malic Enzyme ELISA Kit | ME elisa kit

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CATALOG #
AAA87420

REACTIVITY
Rat

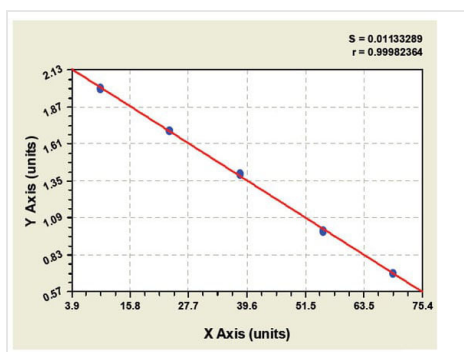
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Rat
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Sensitivity	1.0 ng/mL.
Intended Uses	This ME ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat 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 competitive enzyme immunoassay technique utilizing a monoclonal anti-ME antibody and an ME-HRP conjugate. The assay sample and buffer are incubated together with ME-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 ME concentration since ME from samples and ME-HRP conjugate compete for the anti-ME antibody binding site. Since the number of sites is limited, as more sites are occupied by ME from the sample, fewer sites are left to bind ME-HRP conjugate. 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-rat-elisa-kits/malic-enzyme/87420>