

Chicken Malic Enzyme ELISA Kit | ME elisa kit

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CATALOG #
AAA95372

REACTIVITY
Chicken

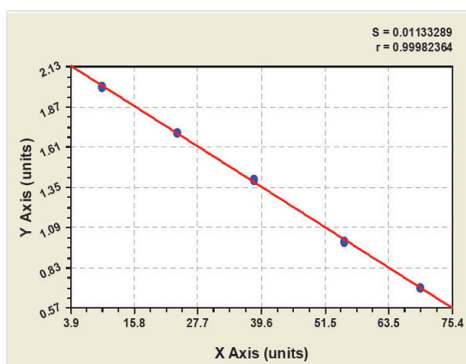
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Chicken
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 Chicken 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.

Product Categories/Family for ME elisa kit

Metabolism

NCBI AND UNIPROT INFORMATION

NCBI GI #	442618752
NCBI GeneID	47173
NCBI Accession #	NP_001262509.1
NCBI GenBank Nucleotide #	NM_001275580.1
UniProt Accession #	Q9VG31
Molecular Weight	84,626 Da
NCBI Official Full Name	malic enzyme, isoform C
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
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 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-chicken-elisa-kits/malic-enzyme/95372>