

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

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CATALOG #
AAA244302

REACTIVITY
Canine

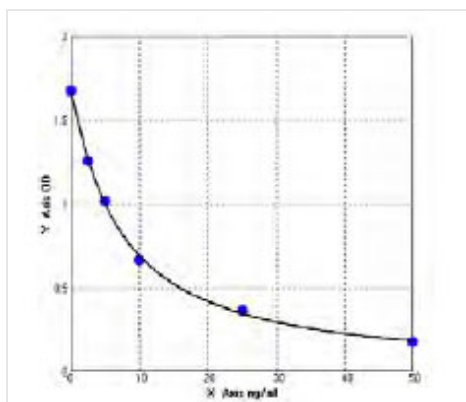
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Canine
Samples	Serum, Plasma, Cell Culture Supernatants, Body Fluid And Tissue Homogenate
Assay Type	Quantitative Competitive
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

Intended Uses: This MDA ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat MDA. This ELISA kit for research use only!

Principle of the Assay: MDA ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-MDA antibody and an MDA-HRP conjugate. The assay sample and buffer are incubated together with MDA-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 MDA concentration since MDA from samples and MDA-HRP conjugate compete for the anti-MDA antibody binding site. Since the number of sites is limited, as more sites are occupied by MDA from the sample, fewer sites are left to bind MDA-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The MDA concentration in each sample is interpolated from this standard curve.

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/canine-elisa-kits/nadp-dependent-malic-enzyme-me1/244302>