

Bovine Malic Dehydrogenase ELISA Kit | MDH elisa kit

Bovine Malic Dehydrogenase ELISA Kit

CATALOG #
AAA94796

REACTIVITY
Bovine

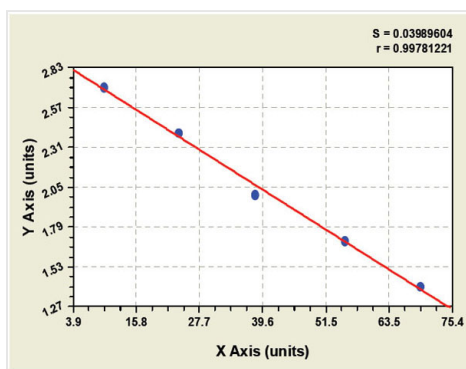
PRODUCT SYNONYMS

Malic Dehydrogenase; Bovine Malic Dehydrogenase ELISA Kit; MDH elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Bovine
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Sensitivity	1.0 ug/mL.
Intended Uses	This MD ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Bovine MD. 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 MDH elisa kit

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

NCBI AND UNIPROT INFORMATION

NCBI GI #	51459881
NCBI GeneID	2958660
Molecular Weight	33,833 Da
NCBI Official Full Name	Malic dehydrogenase
NCBI Official Symbol	mdh
NCBI Protein Information	malate dehydrogenase
UniProt Protein Name	Malate dehydrogenase
UniProt Gene Name	mdh
UniProt Synonym Gene Names	RT0365
UniProt Entry Name	MDH_RICTY

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/mdh-bovine-ovine-elisa-kits/malic-dehydrogenase/94796>