

Sheep Malic Dehydrogenase ELISA Kit | MDH elisa kit

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CATALOG #
AAA94630

REACTIVITY
Sheep

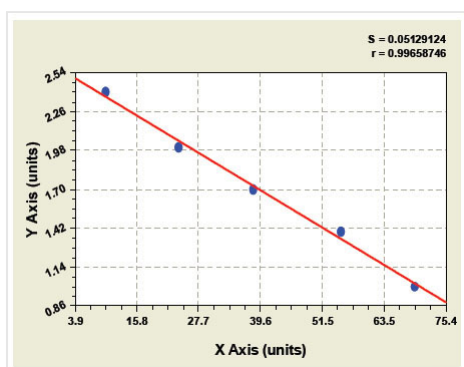
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Sheep
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	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 MDH elisa kit

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

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

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Online datasheet: <https://stage.aaabiotech.com/mdh-sheep-elisa-kits/malic-dehydrogenase/94630>