

Canine Malate dehydrogenase, cytoplasmic (MDH1) ELISA Kit | MDH1 elisa kit

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CATALOG #
AAA245479

REACTIVITY
Canine

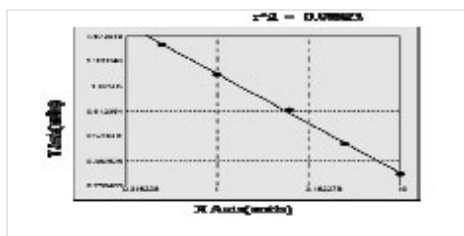
PRODUCT SYNONYMS

Malate dehydrogenase; cytoplasmic (MDH1); Canine Malate dehydrogenase; cytoplasmic (MDH1) ELISA Kit; MDH1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Canine
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Sensitivity	0.1 ng/mL.
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for MDH1 elisa kit

Intended Uses: This MDH1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Canine MDH1. This ELISA kit for research use only!

Principle of the Assay||MDH1 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-MDH1 antibody and an MDH1-HRP conjugate. The assay sample and buffer are incubated together with MDH1-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 MDH1 concentration since MDH1 from samples and MDH1-HRP conjugate compete for the anti-MDH1 antibody binding site. Since the number of sites is limited, as more sites are occupied by MDH1 from the sample, fewer sites are left to bind MDH1-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The MDH1 concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	312283701
NCBI GeneID	4190

NCBI Accession #	NP_001186040.1
NCBI GenBank Nucleotide #	NM_001199111.1
Molecular Weight	38,628 Da
NCBI Official Full Name	malate dehydrogenase, cytoplasmic isoform 1
NCBI Official Synonym Full Names	malate dehydrogenase 1, NAD (soluble)
NCBI Official Symbol	MDH1
NCBI Official Synonym Symbols	MDHA; MOR2; MDH-s; HEL-S-32; MGC:1375
NCBI Protein Information	malate dehydrogenase, cytoplasmic; soluble malate dehydrogenase; cytosolic malate dehydrogenase; diiodophenylpyruvate reductase; epididymis secretory protein Li 32
UniProt Protein Name	Malate dehydrogenase, cytoplasmic
UniProt Gene Name	MDH1
UniProt Synonym Gene Names	MDHA
UniProt Entry Name	MDHC_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.

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Online datasheet: <https://stage.aaabiotech.com/canine-elisa-kits/malate-dehydrogenase-cytoplasmic-mdh1/245479>