

Rat Aldehyde Dehydrogenase, Mitochondrial (ALDM) ELISA Kit | ALDM elisa kit

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CATALOG #
AAA65986

REACTIVITY
Rat

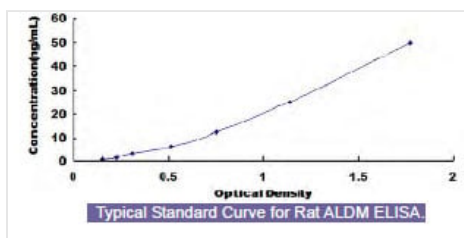
PRODUCT SYNONYMS

Aldehyde Dehydrogenase; Mitochondrial (ALDM); Rat Aldehyde Dehydrogenase; Mitochondrial (ALDM) ELISA Kit; ALDH2 ALDH-E2 ALDHI Aldehyde Dehydrogenase 2; ALDM elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of ALDM. No significant cross-reactivity or interference between ALDM and analogues was observed.
Sequence Length	519
Samples	Serum, plasma, tissue homogenates and other biological fluids.
Assay Type	Sandwich
Detection Range	0.781-50ng/mL
Sensitivity	0.32ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level ALDM were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level ALDM were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ALDM elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of ALDM in rat serum, plasma, tissue homogenates and other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to ALDM. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to ALDM. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain ALDM, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm +/- 10nm. The concentration of ALDM in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	14192933
NCBI GeneID	29539
NCBI Accession #	NP_115792.1
NCBI GenBank Nucleotide #	NM_032416.1
UniProt Accession #	P11884; Q6Q288; Q6Q289; Q6Q290; Q8K3V8; Q91ZD7
Molecular Weight	56,488 Da
NCBI Official Full Name	aldehyde dehydrogenase, mitochondrial
NCBI Official Synonym Full Names	aldehyde dehydrogenase 2 family (mitochondrial)
NCBI Official Symbol	Aldh2
NCBI Protein Information	aldehyde dehydrogenase, mitochondrial
UniProt Protein Name	Aldehyde dehydrogenase, mitochondrial
UniProt Gene Name	Aldh2

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.