

Rat aldehyde dehydrogenase 2 family (mitochondrial) ELISA Kit | ALDH2 elisa kit

Rat aldehyde dehydrogenase, ALDH ELISA Kit

CATALOG #
AAA14973

REACTIVITY
Rat

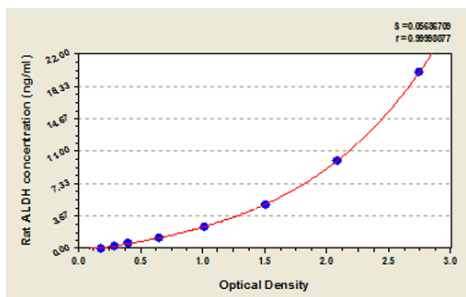
PRODUCT SYNONYMS

aldehyde dehydrogenase 2 family (mitochondrial); Rat aldehyde dehydrogenase; ALDH ELISA Kit; ALDH-E2; ALDH1; ALDM; MGC1806; ALDH class 2; acetaldehyde dehydrogenase 2; liver mitochondrial ALDH; mitochondrial aldehyde dehydrogenase 2; nucleus-encoded mitochondrial aldehyde dehydrogenase 2; ALDH2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of rat ALDH. No significant cross-reactivity or interference between rat ALDH and analogues was observed.
Sequence Length	519
Samples	Serum, plasma, tissue homogenates
Assay Type	Quantitative Sandwich
Detection Range	0.312 ng/ml-20 ng/ml
Sensitivity	< 0.078 ng/ml
Intra-assay Precision	Intra-assay Precision (Precision within an assay): CV%<8%. Three samples of known concentration were tested twenty times on one plate to assess.
Inter-assay Precision	Inter-assay Precision (Precision between assays): CV%<10%. Three samples of known concentration were tested in twenty assays to assess.
Preparation and Storage	Unopened test kits should be stored at 2 to 8 degree C upon receipt. Please refer to pdf manual for further storage instructions.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ALDH2 elisa kit	Principle of the Assay: This assay employs the quantitative sandwich enzyme immunoassay technique. Antibody specific for ALDH has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any ALDH present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for ALDH is added to the wells. After washing, avidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of ALDH bound in the initial step. The color development is stopped and the intensity of the color is measured.
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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; ALDH1; ALDH-E2; ALDH class 2; mitochondrial aldehyde dehydrogenase; aldehyde dehydrogenase 2, mitochondrial
UniProt Protein Name	Aldehyde dehydrogenase, mitochondrial
UniProt Gene Name	Aldh2
UniProt Entry Name	ALDH2_RAT

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/aldh2-rat-elisa-kits/aldehyde-dehydrogenase-2-family-mitochondrial/14973>