

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

Human aldehyde dehydrogenase, ALDH ELISA Kit

CATALOG #
AAA80747

REACTIVITY
Human

PRODUCT SYNONYMS

aldehyde dehydrogenase 2 family (mitochondrial); Human aldehyde dehydrogenase; ALDH ELISA Kit; ALDH-E2; ALDHI; 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	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of human ALDH. No significant cross-reactivity or interference between human ALDH and analogues was observed.
Sequence Length	517
Assay Type	Quantitative Sandwich
Samples	Serum, plasma, tissue homogenates
Detection Range	78 pg/ml-5000 pg/ml
Sensitivity	< 19.5 pg/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.

NCBI AND UNIPROT INFORMATION

NCBI GI #	25777732
NCBI GeneID	217
NCBI Accession #	NP_000681.2
NCBI GenBank Nucleotide #	NM_000690.3
UniProt Accession #	P05091; Q03639; Q6IB13; Q6IV71; B4DW54; E7EUE5
Molecular Weight	56,381 Da
NCBI Official Full Name	aldehyde dehydrogenase, mitochondrial isoform 1
NCBI Official Synonym Full Names	aldehyde dehydrogenase 2 family (mitochondrial)
NCBI Official Symbol	ALDH2
NCBI Official Synonym Symbols	ALDM; ALDHI; ALDH-E2
NCBI Protein Information	aldehyde dehydrogenase, mitochondrial; ALDH class 2; liver mitochondrial ALDH; acetaldehyde dehydrogenase 2; nucleus-encoded mitochondrial aldehyde dehydrogenase 2
UniProt Protein Name	Aldehyde dehydrogenase, mitochondrial
UniProt Gene Name	ALDH2
UniProt Synonym Gene Names	ALDM
UniProt Entry Name	ALDH2_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/aldh2-human-elisa-kits/aldehyde-dehydrogenase-2-family-mitochondrial/80747>