

General Aldehyde Dehydrogenase Assay Kit | Aldh3a2 assay kit

Aldehyde Dehydrogenase Microplate Assay Kit

CATALOG # AAA27847	REACTIVITY General	APPLICATIONS Functional Assay
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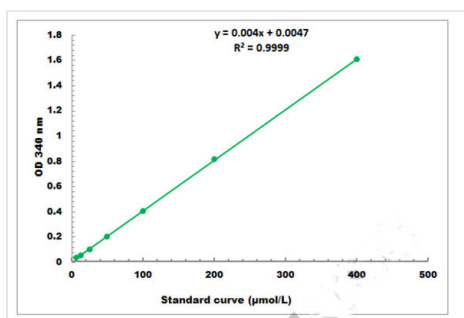
PRODUCT SYNONYMS

Aldehyde Dehydrogenase; Aldehyde Dehydrogenase Microplate Assay Kit; EC 1.2.1.3; Aldehyde dehydrogenase (NAD(+)); Aldh3a2 assay kit

PRODUCT SPECIFICATIONS

Reactivity	General
Sequence Length	484
Samples	Urine, Serum, Plasma, Tissue extracts, Cell lysate, Cell culture media and Other biological fluids Samples
Detection Range	4 umol/L - 400 umol/L
Applicable Applications for Aldh3a2 assay kit	FA (Functional Assay)
Preparation and Storage	Shipped and store at 4 degree C for 6 months.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for Aldh3a2 assay kit	Background: In mammals, ethanol is metabolized mainly in the liver by alcohol dehydrogenase (ADH), which oxidizes ethanol to acetaldehyde. Acetaldehyde, a toxic metabolite responsible for the miserable effects of hangovers, is further oxidized to acetate by aldehyde dehydrogenase (ALDH). ALDH belongs to a large family of aldehyde dehydrogenases that can be found in many tissues of the body, but are at the highest concentrations in the liver. Aldehyde Dehydrogenase Microplate Assay Kit is designed to directly measure Aldehyde Dehydrogenase activity in a variety of samples. In this assay, acetaldehyde is oxidized by ALDH generating NADH with strong absorbance at 340 nm. The intensity of the color formed is increased in the presence of increased ALDH activity.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	205266
NCBI GeneID	65183
Molecular Weight	54,082 Da

NCBI Official Full Name	aldehyde dehydrogenase
NCBI Official Synonym Full Names	aldehyde dehydrogenase 3 family, member A2
NCBI Official Symbol	Aldh3a2
NCBI Official Synonym Symbols	Aldh4; FALDH
NCBI Protein Information	fatty aldehyde dehydrogenase
UniProt Protein Name	Fatty aldehyde dehydrogenase
UniProt Gene Name	Aldh3a2
UniProt Synonym Gene Names	Aldh4; msALDH
UniProt Entry Name	AL3A2_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/general-assay-kits/aldehyde-dehydrogenase/27847>