

Human Aldehyde Dehydrogenase 1 Family, Member A2 (ALDH1A2) ELISA Kit | ALDH1A2 elisa kit

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CATALOG # AAA65431	REACTIVITY Human
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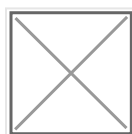
PRODUCT SYNONYMS

Aldehyde Dehydrogenase 1 Family; Member A2 (ALDH1A2); Human Aldehyde Dehydrogenase 1 Family; Member A2 (ALDH1A2) ELISA Kit; RALDH(II); RALDH2; RALDH2-T; Retinaldehyde Dehydrogenase 2; Retinal dehydrogenase 2; Retinaldehyde-specific dehydrogenase type 2; ALDH1A2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of ALDH1A2. No significant cross-reactivity or interference between ALDH1A2 and analogues was observed.
Sequence Length	497
Samples	Serum, plasma, tissue homogenates and other biological fluids.
Assay Type	Sandwich
Detection Range	0.625-40ng/mL
Sensitivity	0.197ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level ALDH1A2 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 ALDH1A2 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 ALDH1A2 elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of ALDH1A2 in human 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 ALDH1A2. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to ALDH1A2. 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 ALDH1A2, 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 ALDH1A2 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 #	332634711
NCBI GeneID	8854
NCBI Accession #	NP_001193826.1
NCBI GenBank Nucleotide #	NM_001206897.1
UniProt Accession #	O94788; Q2PJS6; Q8NHQ4; Q9UBR8; Q9UFY0; B3KY52; B4DZR2; F5H2Y9; H0YM00
Molecular Weight	46,137 Da
NCBI Official Full Name	retinal dehydrogenase 2 isoform 4
NCBI Official Synonym Full Names	aldehyde dehydrogenase 1 family member A2
NCBI Official Symbol	ALDH1A2
NCBI Official Synonym Symbols	RALDH2; RALDH2-T; RALDH(II)
NCBI Protein Information	retinal dehydrogenase 2
UniProt Protein Name	Retinal dehydrogenase 2
UniProt Gene Name	ALDH1A2
UniProt Synonym Gene Names	RALDH2; RALDH 2; RaLDH2; RALDH(II)

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/human-elisa-kits/aldehyde-dehydrogenase-1-family-member-a2-aldh1a2/65431>