

Human Aldehyde Dehydrogenase 1 Family, Member L1 (ALDH1L1) ELISA Kit | ALDH1L1 elisa kit

Human Aldehyde Dehydrogenase 1 Family, Member L1 (ALDH1L1) ELISA Kit

CATALOG # AAA188248	REACTIVITY Human
-------------------------------	----------------------------

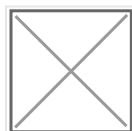
PRODUCT SYNONYMS

Aldehyde Dehydrogenase 1 Family; Member L1 (ALDH1L1); Human Aldehyde Dehydrogenase 1 Family; Member L1 (ALDH1L1) ELISA Kit; FTHFD; 10-fTHF; 10-Formyltetrahydrofolate Dehydrogenase; Cytosolic 10-formyltetrahydrofolate dehydrogenase; ALDH1L1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Aldehyde Dehydrogenase 1 Family, Member L1 (ALDH1L1). No significant cross-reactivity or interference between Aldehyde Dehydrogenase 1 Family, Member L1 (ALDH1L1) and analogues was observed.
Sequence Length	902
Assay Type	Double-antibody Sandwich
Samples	Serum, Plasma, Tissue Homogenates, Cell Lysates, Cell Culture Supernates and Other Biological Fluids
Detection Range	0.312-20ng/mL
Sensitivity	The minimum detectable dose of this kit is typically less than 0.117ng/mL
Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level Aldehyde Dehydrogenase 1 Family, Member L1 (ALDH1L1) were tested 20 times on one plate, respectively. Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level Aldehyde Dehydrogenase 1 Family, Member L1 (ALDH1L1) were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100 Intra-Assay: CV<10% Inter-Assay: CV<12%
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ALDH1L1 elisa kit	The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Aldehyde Dehydrogenase 1 Family, Member L1 (ALDH1L1). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Aldehyde Dehydrogenase 1 Family, Member L1 (ALDH1L1). 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 Aldehyde Dehydrogenase 1 Family, Member L1 (ALDH1L1), 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 Aldehyde Dehydrogenase 1 Family, Member L1 (ALDH1L1) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
---	--

NCBI AND UNIPROT INFORMATION

NCBI GI #	59802911
NCBI GeneID	10840
UniProt Accession #	O75891
NCBI Official Full Name	Cytosolic 10-formyltetrahydrofolate dehydrogenase
NCBI Official Synonym Full Names	aldehyde dehydrogenase 1 family member L1
NCBI Official Symbol	ALDH1L1
NCBI Official Synonym Symbols	FDH; FTHFD; 10-fTHF; 10-FTHFDH
NCBI Protein Information	cytosolic 10-formyltetrahydrofolate dehydrogenase
UniProt Protein Name	Cytosolic 10-formyltetrahydrofolate dehydrogenase
UniProt Gene Name	ALDH1L1
UniProt Synonym Gene Names	FTHFD; 10-FTHFDH; FDH
UniProt Entry Name	AL1L1_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/aldehyde-dehydrogenase-1-family-member-l1-aldh1l1/188248>