

Human Aldehyde Dehydrogenase 9 Family, Member A1 (ALDH9A1) RTU ELISA Kit | ALDH9A1 rtu elisa kit

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CATALOG #
AAA219309

REACTIVITY
Human

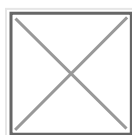
PRODUCT SYNONYMS

Aldehyde Dehydrogenase 9 Family; Member A1 (ALDH9A1); Human Aldehyde Dehydrogenase 9 Family; Member A1 (ALDH9A1) ELISA Kit; ALDH4; ALDH7; ALDH9; E3; TMABADH; 4-Trimethylaminobutyraldehyde Dehydrogenase; Aldehyde dehydrogenase E3 isozyme; Gamma-aminobutyraldehyde dehydrogenase; ALDH9A1 rtu elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Sequence Length	518
Assay Type	Sandwich
Samples	Serum, Plasma, Tissue Homogenates or Other Biological Fluids.
Detection Range	0.312-20ng/mL
Sensitivity	0.102ng/mL
RTU ELISA Kit's Advantage	The Ready-To-Use (RTU) Kits require fewer steps in setup and take less time to run. Detection Solutions are pre-diluted and total incubation time is shorter than many other ELISA Kits.
Preparation and Storage	For unopened kits: All the reagents should be kept at 4 degree C upon receipt. For opened kits: Once the kit is opened, the remaining reagents still need to be stored according to the above storage conditions. In addition, return the unused wells to the foil pouch containing the desiccant pack and reseal along entire edge of zip-seal.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ALDH9A1 rtu elisa kit

Test Principle: The microtiter plate provided in this kit has been pre-coated with an antibody specific to ALDH9A1. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to ALDH9A1. 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 ALDH9A1, 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 $\pm$ 10nm. The concentration of ALDH9A1 in the samples is then determined by comparing the O.D. of the samples to the standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	115387104
NCBI GeneID	223
NCBI Accession #	NP_000687.3
NCBI GenBank Nucleotide #	NM_000696.3
UniProt Accession #	P49189; Q5VV90; Q6LCL1; Q9NZT7; B2R6X1; B4DXY7
Molecular Weight	46,455 Da
NCBI Official Full Name	4-trimethylaminobutyraldehyde dehydrogenase
NCBI Official Synonym Full Names	aldehyde dehydrogenase 9 family member A1
NCBI Official Symbol	ALDH9A1
NCBI Official Synonym Symbols	E3; ALDH4; ALDH7; ALDH9; TMABADH
NCBI Protein Information	4-trimethylaminobutyraldehyde dehydrogenase
UniProt Protein Name	4-trimethylaminobutyraldehyde dehydrogenase
UniProt Gene Name	ALDH9A1
UniProt Synonym Gene Names	ALDH4; ALDH7; ALDH9; TMABADH

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-rtu-elisa-kits/aldehyde-dehydrogenase-9-family-member-a1-aldh9a1/219309>