

Human Fatty Acid Desaturase 1 (FADS1) ELISA Kit | FADS1 elisa kit

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CATALOG #
AAA136509

REACTIVITY
Human

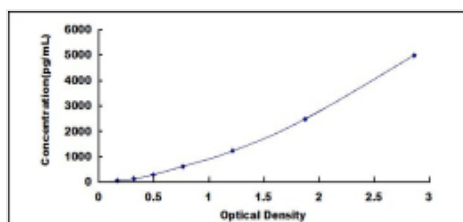
PRODUCT SYNONYMS

Fatty Acid Desaturase 1 (FADS1); Human Fatty Acid Desaturase 1 (FADS1) ELISA Kit; D5D; FADS6; FADSD5; LLCDL1; TU12; Delta-5 Desaturase; Delta(5) fatty acid desaturase; FADS1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Fatty Acid Desaturase 1 (FADS1). No significant cross-reactivity or interference between Fatty Acid Desaturase 1 (FADS1) and analogues was observed.
Sequence Length	501
Assay Type	Double-antibody Sandwich
Samples	Serum, Plasma, Tissue Homogenates And Other Biological Fluids
Detection Range	0.78-50ng/mL
Sensitivity	0.30ng/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Fatty Acid Desaturase 1 (FADS1) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Fatty Acid Desaturase 1 (FADS1) 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 FADS1 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 Fatty Acid Desaturase 1 (FADS1). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Fatty Acid Desaturase 1 (FADS1). 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 Fatty Acid Desaturase 1 (FADS1), 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 Fatty Acid Desaturase 1 (FADS1) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Product Categories/Family for FADS1 elisa kit	Enzyme & Kinase; Metabolic pathway

NCBI AND UNIPROT INFORMATION

NCBI GI #	214831730
NCBI GeneID	3992
NCBI Accession #	NP_037534.3
NCBI GenBank Nucleotide #	NM_013402.4
UniProt Accession #	O60427; Q53GM5; Q8N3A6; Q8NCC7; Q8NCG0; Q96I39; Q96SV3; Q96T10; Q9NRP8; Q9NYX1; A8K0I7; B2RAI0
Molecular Weight	42,474 Da
NCBI Official Full Name	fatty acid desaturase 1
NCBI Official Synonym Full Names	fatty acid desaturase 1
NCBI Official Symbol	FADS1
NCBI Official Synonym Symbols	D5D; TU12; FADS6; FADSD5; LLCDL1
NCBI Protein Information	fatty acid desaturase 1
UniProt Protein Name	Fatty acid desaturase 1
UniProt Gene Name	FADS1
UniProt Synonym Gene Names	FADSD5; D5D; Delta(5) desaturase; Delta-5 desaturase
UniProt Entry Name	FADS1_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/human-elisa-kits/fatty-acid-desaturase-1-fads1/136509>