

Rat Fatty Acid Desaturase 2 (FADS2) ELISA Kit | FADS2 elisa kit

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CATALOG #
AAA64843

REACTIVITY
Rat

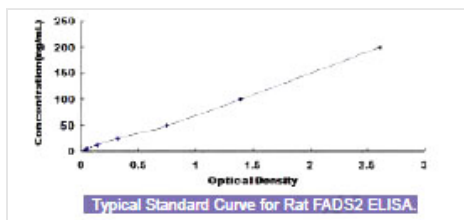
PRODUCT SYNONYMS

Fatty Acid Desaturase 2 (FADS2); Rat Fatty Acid Desaturase 2 (FADS2) ELISA Kit; LLCDL2; FADSD6; D6D; TU13; DES6; Delta-6-Desaturase; Delta(6) fatty acid desaturase; FADS2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of FADS2. No significant cross-reactivity or interference between FADS2 and analogues was observed.
Sequence Length	444
Samples	Serum, plasma, tissue homogenates and other biological fluids.
Assay Type	Sandwich
Detection Range	3.125-200ng/mL
Sensitivity	1.38ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level FADS2 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 FADS2 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 FADS2 elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of FADS2 in rat 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 FADS2. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to FADS2. 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 FADS2, 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 FADS2 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 #	13786182
NCBI GeneID	83512
NCBI Accession #	NP_112634.1
NCBI GenBank Nucleotide #	NM_031344.2
UniProt Accession #	Q9Z122; H2BF31
Molecular Weight	52,380 Da
NCBI Official Full Name	fatty acid desaturase 2
NCBI Official Synonym Full Names	fatty acid desaturase 2
NCBI Official Symbol	Fads2
NCBI Official Synonym Symbols	Fadsd6
NCBI Protein Information	fatty acid desaturase 2
UniProt Protein Name	Fatty acid desaturase 2
UniProt Gene Name	Fads2
UniProt Synonym Gene Names	Fadsd6; D6D; Delta(6) desaturase; Delta-6 desaturase

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.