

Mouse Fads2 (Fatty acid desaturase 2) ELISA Kit | Fads2 elisa kit

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CATALOG #
AAA17774

REACTIVITY
Mouse

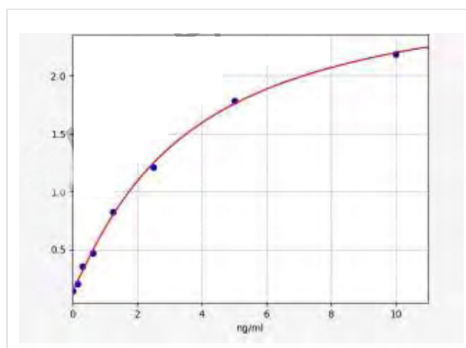
PRODUCT SYNONYMS

Fads2 (Fatty acid desaturase 2); Mouse Fads2 (Fatty acid desaturase 2); Fads2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	Specifically recognize Fads2, no obvious cross reaction with other analogues
Sequence Length	444
Assay Type	Sandwich
Samples	Cell lysates, tissue homogenates and other biological samples
Detection Range	0.156-10ng/ml
Sensitivity	0.094ng/ml
Intra-assay Precision	Intra-assay Precision: samples with low, medium and high concentration are tested 20 times on same plate.
Inter-assay Precision	Inter-assay Precision: samples with low, medium and high concentration are tested 20 times on three different plates.
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for Fads2 elisa kit	Background: Fads2, also known as fatty acid desaturase 2, is an enzyme involved in the synthesis of long-chain polyunsaturated fatty acids (LC-PUFAs). It catalyzes the desaturation of fatty acids, converting saturated fatty acids into unsaturated fatty acids. Fads2 plays a crucial role in lipid metabolism, inflammation, and cell membrane structure. Principle of the Assay: This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti Fads2 antibody was precoated onto the 96-well plate. The biotin conjugated anti Fads2 antibody was used as the detection antibody. The standards and pilot samples were added to the wells subsequently. After incubation, unbound conjugates were removed by wash buffer. Then, biotinylated detection antibody was added to bind with Fads2 conjugated on coated antibody. After washing off unbound conjugates, HRP-Streptavidin was added. After a third washing, TMB substrates were added to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that turned yellow after adding a stop solution. Read the O.D. absorbance at 450nm in a microplate reader. The concentration of Fads2 in the sample was calculated by drawing a standard curve. The concentration of the target substance is proportional to the OD450 value.
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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
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
UniProt Entry Name	FADS2_RAT

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.