

Rat Fatty acid desaturase 2 ELISA Kit | Fads2 elisa kit

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CATALOG #
AAA97820

REACTIVITY
Rat

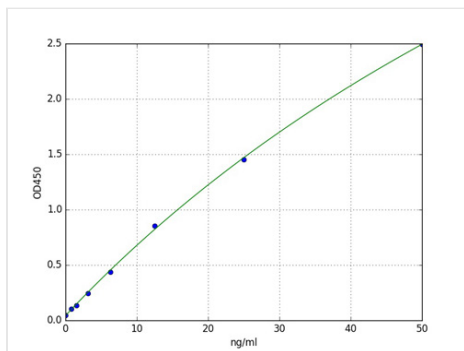
PRODUCT SYNONYMS

Fatty acid desaturase 2; Rat Fatty acid desaturase 2 ELISA Kit; Fads2/FADS2 (Fatty acid desaturase 2)/D6D/DES6/FADSD6/LLCDL2/SLL0262/TU13; Fads2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Sequence Length	444
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	0.781-50ng/ml
Sensitivity	0.469ng/ml
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)

Typical Data & Standard Curve

Results of a typical standard run of a Rat Fads2 ELISA Kit are shown below. This standard curve was generated at our lab for demonstration purpose only. Each user should obtain their own standard curve as per experiment. (N/A=not applicable)

X	ng/ml	0	0.781	1.563	3.125	6.25	12.5	25	50
Y	OD450	0.053	0.105	0.143	0.199	0.421	0.836	1.338	2.316

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for Fads2 elisa kit

Principle of the Assay||This kit was based on sandwich enzyme-linked immune-sorbent assay technology. anti-Rat Fads2 antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-Rat Fads2 antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and wash with wash buffer. HRP-Streptavidin was added and unbound conjugates were washed away with wash buffer. TMB substrates were used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the Rat Fads2 amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of Rat Fads2 can be calculated.

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.

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Online datasheet: <https://stage.aaabiotech.com/fads2-rat-elisa-kits/fatty-acid-desaturase-2/97820>