

Human Fatty Acid Synthase (FASN) ELISA Kit | FASN elisa kit

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CATALOG #
AAA185752

REACTIVITY
Human

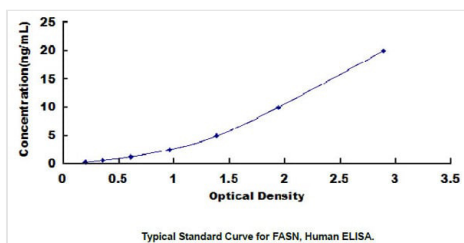
PRODUCT SYNONYMS

Fatty Acid Synthase (FASN); Human Fatty Acid Synthase (FASN) ELISA Kit; FAS; OA519; SDR27X1; Short Chain Dehydrogenase/Reductase Family 27X; Member 1; S-acetyltransferase; 3-oxoacyl synthase; Oleoyl hydrolase; Enoyl-acyl-carrier-protein reductase; FASN elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of FASN. No significant cross-reactivity or interference between FASN and analogues was observed.
Sequence Length	2,511
Samples	Serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids
Assay Type	Quantitative Sandwich
Detection Range	0.312-20ng/mL
Sensitivity	< 0.131ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level FASN 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 FASN were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. 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 FASN elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of FASN in human serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids. Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to FASN. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to FASN. 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 FASN, 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 FASN 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 #	41872631
NCBI GeneID	2194
NCBI Accession #	NP_004095.4
NCBI GenBank Nucleotide #	NM_004104.4
UniProt Accession #	P49327; Q13479; Q16702; Q4LE83; Q6P4U5; Q6SS02; Q969R1; Q96C68; Q96IT0
Molecular Weight	273,427 Da
NCBI Official Full Name	fatty acid synthase
NCBI Official Synonym Full Names	fatty acid synthase
NCBI Official Symbol	FASN
NCBI Official Synonym Symbols	FAS; OA-519; SDR27X1
NCBI Protein Information	fatty acid synthase
UniProt Protein Name	Fatty acid synthase
UniProt Gene Name	FASN
UniProt Synonym Gene Names	FAS

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.