

Canine Fatty Acid Synthase ELISA Kit | FAS elisa kit

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CATALOG #
AAA92872

REACTIVITY
Canine

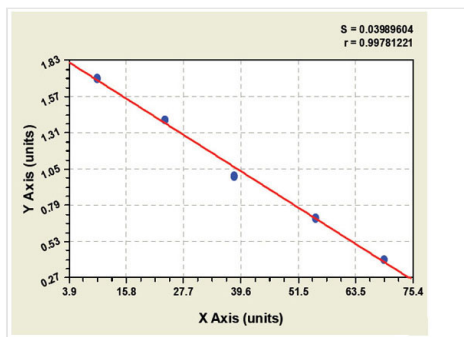
PRODUCT SYNONYMS

Fatty Acid Synthase; Canine Fatty Acid Synthase ELISA Kit; FAS elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Canine
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Sandwich
Detection Range	50-1000?g/mL
Sensitivity	1.0ug/mL
Intended Uses	This FAS ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Canine FAS. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for FAS elisa kit

Principle of the Assay: FAS ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-FAS antibody and an FAS-HRP conjugate. The assay sample and buffer are incubated together with FAS-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the FAS concentration since FAS from samples and FAS-HRP conjugate compete for the anti-FAS antibody binding site. Since the number of sites is limited, as more sites are occupied by FAS from the sample, fewer sites are left to bind FAS-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The FAS concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	41872631
NCBI GeneID	2194
NCBI Accession #	NP_004095.4
NCBI GenBank Nucleotide #	NM_004104.4
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; short chain dehydrogenase/reductase family 27X, member 1
UniProt Protein Name	Fatty acid synthase
UniProt Gene Name	FASN
UniProt Synonym Gene Names	FAS
UniProt Entry Name	FAS_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/fas-canine-elisa-kits/fatty-acid-synthase/92872>