



Canine fatty acid synthase (FAS) ELISA kit

Cat. No.:	OB0625WXX-825
Assay Type:	Quantitative sandwich ELISA
Target Species:	Canine
Assay Target:	FAS
Size:	48T; 96T

This product is for research use only and is not intended for diagnostic use.

Product Overview

Description	Canine fatty acid synthase (FAS) ELISA kit is an ELISA-based <i>in vitro</i> research tool designed specifically for the quantitative detection of FAS in canine. The kit is highly specific, sensitive, and easy to use.
Assay Principle	The kit is based on a FAS antibody-FAS antigen interaction (immunosorbent) and an HRP colorimetric detection system to detect FAS antigen targets in samples.
Background	FAS is a multi-enzyme protein that catalyzes fatty acid synthesis. It is essential for the de novo synthesis of long-chain saturated fatty acids from acetyl-CoA, malonyl-CoA, and NADPH. Studies have found that FAS may be involved in obesity by regulating feeding behavior and energy homeostasis, potentially playing a role in body weight regulation and obesity development.
Synonyms	Short chain dehydrogenase/reductase family 27X, Member 1; S-acetyltransferase; 3-oxoacyl synthase; Oleoyl hydrolase; Enoyl-acyl-carrier-protein reductase; OA519; SDR27X1; EC 2.3.1.85
EC NO.	2.3.1.85
Formula Weight	273,427 Da
Applications	Canine fatty acid synthase (FAS) ELISA kit is an important tool for the quantitative detection of FAS in various biological samples of canines.
Research Area	Fatty acid synthesis; Lipid metabolism; Obesity research

Specification



Sample Type

Canine samples

Cross-reactivity

No significant cross-reactivity or interference was observed.

Storage

Store at 2-8°C.