



# Porcine sterol regulatory element-binding transcription factor 1 (SREBF1) ELISA kit

<b>Cat. No.:</b>	0126WXX-1847
<b>Assay Type:</b>	Quantitative ELISA
<b>Target Species:</b>	Porcine
<b>Assay Target:</b>	SREBF1
<b>Size:</b>	48T; 96T

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

## Product Overview

<b>Description</b>	Porcine sterol regulatory element-binding transcription factor 1 (SREBF1) ELISA kit is an ELISA-based <i>in vitro</i> research tool designed specifically for the quantitative detection of SREBF1 in porcine samples. The kit is highly sensitive and easy to use.
<b>Assay Principle</b>	The ELISA analytical biochemical technique is based on SREBF1 antibody-SREBF1 antigen interactions (immunosorbency) and an HRP colorimetric detection system to detect SREBF1 antigen targets in samples.
<b>Background</b>	SREBF1 is a key regulator of intracellular lipid and cholesterol synthesis pathways. It primarily functions by controlling the expression of a series of genes involved in fatty acid, triglyceride, and cholesterol synthesis. The activity of SREBF1 is finely regulated by intracellular sterol and insulin signaling and is implicated in pathological processes such as obesity.
<b>Synonyms</b>	BHLHD1; SREBP-1; Sterol regulatory element-binding protein 1; Class D basic helix-loop-helix protein 1; bHLHD1
<b>Formula Weight</b>	121,502 Da
<b>Applications</b>	Porcine sterol regulatory element-binding transcription factor 1 (SREBF1) ELISA kit is used to quantify SREBF1 in porcine samples, providing data to support research in a wide range of areas, including lipid metabolism, signal transduction, obesity, and others.
<b>Research Area</b>	Lipid metabolism; Signal transduction; Obesity

## Specification



**Sample Type**

Porcine samples

**Cross-reactivity**

No significant cross-reactivity or interference was observed.

**Storage**

Store at 2-8°C.