

## Bovine Stearoyl-CoA Desaturase (SCD) ELISA Kit-Sandwich

**Cat. No.:** EK10F139

**Product Type:** Animal Immunoassay Kits

**Size:** 48T;96T

### Product Overview

BioVenic Bovine SCD ELISA Kit-Sandwich is designed for the quantitative determination of Bovine stearoyl-CoA desaturase (SCD) in serum, plasma, tissue homogenate, cell culture supernatant, cell lysate, and other biological fluids using a Sandwich ELISA method. For research use only.

### Specifications

Assay Type	ELISA-Sandwich
Specificity	The assay kit is specific for Bovine SCD.
Target Species	Bovine
Species Reactivity	Bovine
Detection Range	0.2-10 ng/mL
Sensitivity	0.03 ng/mL
Reproducibility	Intra-Assay: CV < 10%; Inter-Assay: CV < 10%
Assay Time	Around 180 min
Sample Requirement	Serum, plasma, tissue homogenate, cell culture supernatant, cell lysate, and other biological fluids.

### Target Information

Stearoyl-CoA desaturase is encoded by the *SCD* gene in cattle. It is a rate-limiting enzyme in catalysing the synthesis of monounsaturated fatty acids.

Target/Biomarker	Bovine SCD
Target Synonym	stearoyl-CoA desaturase; SCD1; acyl-CoA desaturase; delta(9)-desaturase; fatty acid desaturase; stearoyl-CoA desaturase (delta-9-desaturase); stearoyl-coenzyme A desaturase
Gene ID	<a href="#">280924</a>
UniProt ID	<a href="#">Q9TT94</a>

## Shipping and Storage

This product is shipped with gel ice packs. It is recommended to store at 2-8 °C (Up to 6 months).

---

## Reference

Li, Y. *et al.* Variation in the stearoyl-CoA desaturase gene (SCD) and its influence on milk fatty acid composition in late-lactation dairy cattle grazed on pasture. *Archives animal breeding*. 2020, 63: 355-366.

---

The product is for research use only. Not for commercial, prophylactic, diagnostic, or therapeutic applications. Please determine the purpose of the product before purchasing. For further information and inquiry, please contact us.