

Swine Taurine (Tau) ELISA Kit-Competitive

Cat. No.: EK1F718

Product Type: Animal Immunoassay Kits

Size: 96T

Product Overview

BioVenic Swine Taurine (Tau) ELISA Kit-Competitive is designed for the quantitative determination of Swine Taurine (Tau) in serum, plasma, tissue homogenate, cell culture supernatant, cell extract, and other biological fluids using a Competitive ELISA method. For research use only.

Specifications

Assay Type	ELISA-Competitive
Specificity	The assay kit is specific for Swine Tau.
Target Species	Swine
Species Reactivity	Swine
Detection Range	15.63-1000 ng/mL
Sensitivity	4.39 ng/mL
Reproducibility	Intra-Assay: CV < 10%; Inter-Assay: CV < 10%
Assay Time	Around 120 min
Sample Requirement	Serum, plasma, tissue homogenate, cell culture supernatant, cell extract, and other biological fluids.

Target Information

Taurine is a sulfur-containing amino acid that is widely distributed in animal tissues. Taurine doesn't actually contribute to protein synthesis in the body. Taurine is found in certain foods, particularly animal proteins like meat, fish, and dairy products. In pigs, research has shown that dietary taurine supplementation improves meat quality and mitochondrial biogenesis and function and promotes muscle fiber-type conversion from the glycolytic fiber to the oxidative fiber via the CaN/NFATc1 pathway.

Target/Biomarker	Swine Tau
Target Synonym	2-Aminoethanesulfonic Acid; Tauric Acid

Shipping and Storage

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

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.