

Swine Keratin 18 (KRT18) ELISA Kit-Sandwich

Cat. No.: EK1F247

Product Type: Animal Immunoassay Kits

Size: 48T;96T

Product Overview

BioVenic Swine Keratin 18 (KRT18) ELISA Kit-Sandwich is designed for the quantitative determination of Swine Keratin 18 (KRT18) in serum, plasma, tissue homogenate, cell culture supernatant, cell extract, 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 Swine KRT18.
Target Species	Swine
Species Reactivity	Swine
Detection Range	0.16-10 ng/mL
Sensitivity	0.054 ng/mL
Reproducibility	Intra-Assay: CV < 10%; Inter-Assay: CV < 10%
Assay Time	Around 210 min
Sample Requirement	Serum, plasma, tissue homogenate, cell culture supernatant, cell extract, and other biological fluids.

Target Information

Keratin 18 (K18) is a type I cytokeratin, often found alongside its filament partner, keratin 8 (K8). Together, they are among the most commonly expressed products of the intermediate filament gene family. Keratin 18 is encoded by the porcine *KRT18* gene. It is a marker gene for immature Sertoli cells. Research has shown that KRT18 mRNA is expressed in swine testicular cells but not in 60-day and 180-day porcine testes.

Target/Biomarker	Swine KRT18
Target Synonym	CK18; CYK18; K18; Cytokeratin 18; Cell proliferation-inducing gene 46 protein; Keratin, type I cytoskeletal 18
Gene ID	100126286

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.