

Porcine Propionyl-CoA Carboxylase Beta Chain, Mitochondrial (PCCB) ELISA Kit-Sandwich

Cat. No.: EK12F491

Product Type: Animal Immunoassay Kits

Size: 48T;96T

Product Overview

BioVenic Porcine Propionyl-CoA Carboxylase Beta Chain, Mitochondrial (PCCB) ELISA Kit-Sandwich is designed for the quantitative determination of Porcine Propionyl-CoA Carboxylase Beta Chain, Mitochondrial (PCCB) 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 Porcine PCCB.
Target Species	Swine
Species Reactivity	Swine
Reproducibility	Intra-Assay: CV < 10%; Inter-Assay: CV < 10%
Assay Time	Around 270 min
Sample Requirement	Serum, plasma, tissue homogenate, cell culture supernatant, cell extract, and other biological fluids.

Target Information

Propionyl-CoA Carboxylase Beta Chain, Mitochondrial is encoded by the *PCCB* gene in pigs. It plays a crucial role in amino acid metabolism. Specifically, it is involved in the conversion of ornithine to proline, a non-essential amino acid. Remarkably, it also performs the reverse reaction, essential for creating ornithine from the starting substrate proline. Research has shown that SNPs in gene *PCCB* is significantly associated with DLY pig meat quality or carcass traits.

Target/Biomarker	Porcine PCCB
Target Synonym	Propionyl-CoA carboxylase beta chain, mitochondrial; PCCase subunit beta; Propanoyl-CoA:carbon dioxide ligase subunit beta; PCCB; 6.4.1.3
Gene ID	100158147
UniProt ID	P79384

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.