

Porcine Calpain-1 Catalytic Subunit (CAPN1) ELISA Kit-Sandwich

Cat. No.: EK12F769

Product Type: Animal Immunoassay Kits

Size: 48T;96T

Product Overview

BioVenic Porcine Calpain-1 Catalytic Subunit (CAPN1) ELISA Kit-Sandwich is designed for the quantitative determination of Porcine Calpain-1 Catalytic Subunit (CAPN1) 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 CAPN1.
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

Calpain-1 Catalytic Subunit is encoded by the *CAPN1* gene in pigs. It is a member of calpains which are a group of calcium-activated neutral proteases found intracellularly. They play essential roles in protein degradation, cytoskeletal remodeling, and signal transduction. The mammalian calpains include ubiquitous, stomach-specific, and muscle-specific proteins. The *CAPN1* gene is located on SSC2. It may be associated with meat redness in pigs.

Target/Biomarker	Porcine CAPN1
Target Synonym	Calpain-1 catalytic subunit; Calcium-activated neutral proteinase 1; CANP 1; Calpain mu-type; Calpain-1 large subunit; Micromolar-calpain; muCANP; CAPN1; 3.4.22.52
Gene ID	397027
UniProt ID	P35750

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.