

Porcine Thimet Oligopeptidase (THOP1) ELISA Kit-Sandwich

Cat. No.: EK12F385

Product Type: Animal Immunoassay Kits

Size: 48T;96T

Product Overview

BioVenic Porcine Thimet Oligopeptidase (THOP1) ELISA Kit-Sandwich is designed for the quantitative determination of Porcine Thimet Oligopeptidase (THOP1) 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 THOP1.
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

Thimet Oligopeptidase is encoded by the *THOP1* gene in pigs. It can cleave a synthetic peptide encompassing the amino-terminus of amyloid β -peptide and generate amyloidogenic fragments from recombinant human amyloid precursor protein (APP). THOP1 is involved in the metabolism of neuropeptides under 20 amino acids long. It plays a role in cytoplasmic peptide degradation. Thimet oligopeptidase is a peptidase that processes neuroendocrine peptides with roles in mood, metabolism, and immune response, among other functions.

Target/Biomarker	Porcine THOP1
Target Synonym	Thimet oligopeptidase; Endopeptidase 24.15; THOP1; 3.4.24.15
Gene ID	397442
UniProt ID	P47788

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

Liu, Y. *et al.* Thimet Oligopeptidase- A Classical Enzyme with New Function and New Form. *Immuno.* 2021, 1: 332-346.

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.