



Mouse carboxypeptidase E (CPE) ELISA kit

Cat. No.:	OB0625WXX-411
Assay Type:	Quantitative competitive ELISA
Target Species:	Mouse
Assay Target:	CPE
Size:	48T; 96T

This product is for research use only and is not intended for diagnostic use.

Product Overview

Description	Mouse carboxypeptidase E (CPE) ELISA kit is an ELISA-based <i>in vitro</i> research tool designed specifically for the quantitative detection of CPE in mouse with a range of 5.0-100 ng/mL and a specificity of 1.0 ng/mL.
Assay Principle	The kit is based on a CPE antibody-CPE antigen interaction (immunosorbent) and an HRP colorimetric detection system to detect CPE antigen targets in samples.
Background	CPE is a peripheral membrane protein that cleaves C-terminal amino acid residues and participates in the biosynthesis of peptide hormones and neurotransmitters. This protein specifically binds to proteins in the regulated secretory pathway, including prohormones, but does not bind to constitutively secreted proteins. Studies have found that mutations in the gene are related to obesity and Type 2 diabetes.
Synonyms	CPH; Enkephalin convertase; Carboxypeptidase H; Prohormone-processing carboxypeptidase; EC 3.4.17.10
EC NO.	3.4.17.10
Formula Weight	49,886 Da
Applications	Mouse carboxypeptidase E (CPE) ELISA kit is used to quantify CPE in serum, plasma, cell culture supernatants, body fluid, tissue homogenate samples of mouse, providing data to support a wide range of studies.
Research Area	Metabolism; Signal regulation; Obesity research

Specification



Sample Type	Serum; Plasma; Cell culture supernatants; Body fluid; Tissue homogenate
Detection Range	5.0-100 ng/mL
Sensitivity	1.0 ng/mL
Cross-reactivity	No significant cross-reactivity or interference was observed.
Storage	Store at 2-8°C.