



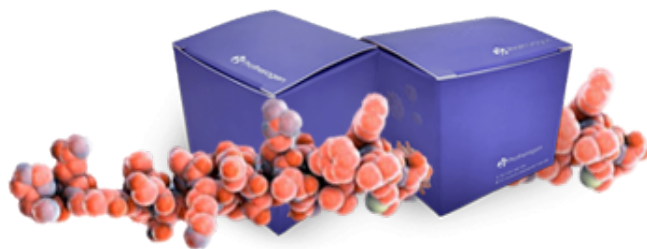
Hamster melanin-concentrating hormone (MCH) ELISA kit

Cat. No.:	0126WXX-1017
Assay Type:	Quantitative ELISA
Target Species:	Hamster
Assay Target:	MCH
Size:	48T; 96T

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

Product Overview

Description	Hamster melanin-concentrating hormone (MCH) ELISA kit is an ELISA-based <i>in vi tro</i> research tool designed specifically for the quantitative detection of MC H in hamster samples. The kit is highly sensitive and easy to use.
Assay Principle	The ELISA analytical biochemical technique is based on MCH antibody-MCH antigen interactions (immunosorbency) and an HRP colorimetric detection system to detect MCH antigen targets in samples.
Background	MCH is a cyclic neuropeptide primarily synthesized and secreted in neurons of th e lateral hypothalamus and thalamus, exerting its effects through its receptors MCH1R and MCH2R. MCH plays a major role as an orexigenic (appetite-stimulating) signal in appetite regulation. Its association with obesity research is highly e vident: in animal models, MCH injection or overexpression leads to increased foo d intake and excessive weight gain; Conversely, inhibiting MCH signaling or knoc king out its receptor (MCH1R) results in leaner animals, indicating MCH is a pot ent central nervous system signal for energy storage and hunger resistance, maki ng it a critical target for anti-obesity drug development.
Synonyms	PMCH
Formula Weight	18,679 Da
Applications	Hamster melanin-concentrating hormone (MCH) ELISA kit is used to quantify MCH in hamster samples, providing data to support research in a wide range of areas, i ncluding appetite regulation, obesity, etc.

**Research Area**

Appetite regulation; Obesity

Specification**Sample Type**

Hamster samples

Cross-reactivity

No significant cross-reactivity or interference was observed.

Storage

Store at 2-8°C.