

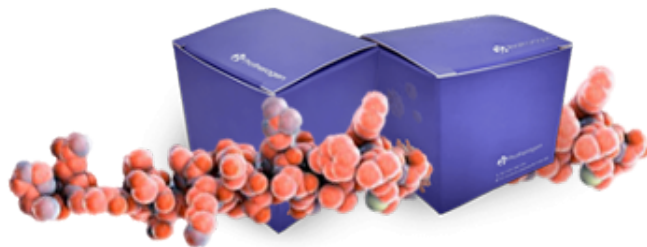
Cat melanin-concentrating hormone (MCH) ELISA kit

Cat. No.:	0126WXX-1015
Assay Type:	Quantitative ELISA
Target Species:	Cat
Assay Target:	MCH
Size:	1 kit

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

Product Overview

Description	Cat melanin-concentrating hormone (MCH) ELISA kit is an ELISA-based <i>in vitro</i> research tool designed specifically for the quantitative detection of MCH in cat 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 the 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 evident: in animal models, MCH injection or overexpression leads to increased food intake and excessive weight gain; Conversely, inhibiting MCH signaling or knocking out its receptor (MCH1R) results in leaner animals, indicating MCH is a potent central nervous system signal for energy storage and hunger resistance, making it a critical target for anti-obesity drug development.
Synonyms	PMCH
Formula Weight	18,679 Da
Applications	Cat melanin-concentrating hormone (MCH) ELISA kit is used to quantify MCH in cat samples, providing data to support research in a wide range of areas, including appetite regulation, obesity, etc.

**Research Area**

Appetite regulation; Obesity

Specification**Sample Type**

Cat samples

Cross-reactivity

No significant cross-reactivity or interference was observed.

Storage

Store at 2-8°C.