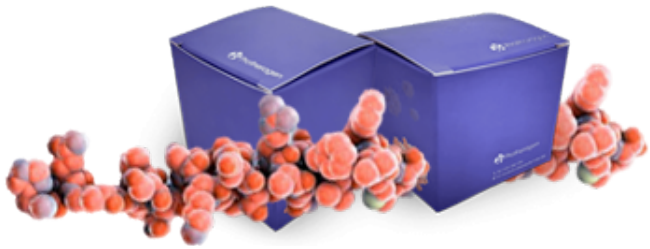
Protheragen
Obesity



Mouse peptide YY (PYY) ELISA kit-Quantitative competitive (15.6-1000 pg/mL)

Cat. No.:	0126WXX-1665
Assay Type:	Quantitative competitive ELISA
Target Species:	Mouse
Assay Target:	PYY
Size:	48T; 96T

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

Product Overview

Description

Mouse peptide YY (PYY) ELISA kit-Quantitative competitive (15.6-1000 pg/mL) is a n ELISA-based *in vitro* research tool designed specifically for the quanti tative detection of PYY in mouse samples with a range of 15.6-1000 pg/mL and a m inimum detectable dose (sensitivity) of 8.12 pg/mL. The kit is highly sensitive and easy to use.

Assay Principle

The ELISA analytical biochemical technique is based on PYY antibody-PYY antigen interactions (immunosorbency) and an HRP colorimetric detection system to detect PYY antigen targets in samples.

Background

PYY (Peptide YY), a critical gut peptide and member of the NPY family located at chromosomal position 17q21.1, serves as a fundamental regulator in the physiolo gical landscape of obesity and digestive homeostasis. Secreted into the extracel lular region as two distinct isoforms through alternative splicing, this neurope ptide hormone exerts its biological influence primarily through G-protein couple d receptor signaling pathways to modulate eating behavior and appetite regulatio n. Its multifaceted role in the gastrointestinal tract includes the inhibition o f exocrine pancreatic secretion, the mediation of vasoconstrictory actions, and the suppression of jejunal and colonic motility, thereby slowing digestion to en hance satiety. Beyond its classical endocrine functions in feeding behavior, PYY is also implicated in broader cellular processes such as cell proliferation and cytoskeleton organization.

Address: 101-4 Colin Dr, Holbrook, NY 11741, USA
Phone: 1-631-506-1393
info@obesityscientific.com

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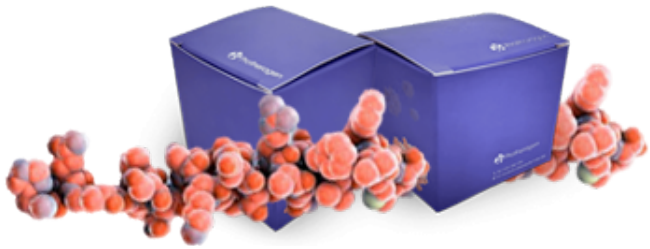

Synonyms	Peptide YY-like
Formula Weight	11,064 Da
Applications	Mouse peptide YY (PYY) ELISA kit-Quantitative competitive (15.6-1000 pg/mL) is u sed to quantify PYY in mouse samples, providing data to support research in a wi de range of areas, including neuroscience, hepatology, obesity, and others.
Research Area	Neuro science; Hepatology; Obesity

Specification

Sample Type	Mouse samples
Detection Range	15.6-1000 pg/mL
Sensitivity	8.12 pg/mL
Cross-reactivity	No significant cross-reactivity or interference was observed.
Storage	Store at -20°C.

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