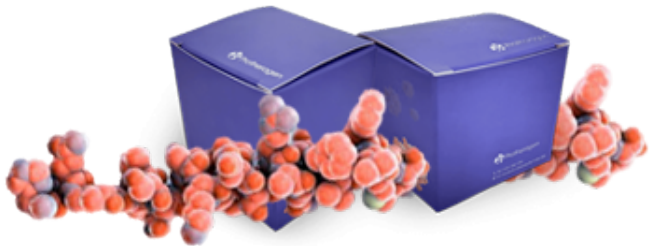
Protheragen Obesity



Mouse insulin receptor substrate 3 (IRS-3) ELISA kit

Cat. No.:	0126WXX-726
Assay Type:	Quantitative ELISA
Target Species:	Mouse
Assay Target:	IRS-3
Size:	48T; 96T

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

Product Overview

Description	Mouse insulin receptor substrate 3 (IRS-3) ELISA kit is an ELISA-based *in vit ro* research tool designed specifically for the quantitative detection of IRS -3 in mice samples. The kit is highly sensitive and easy to use.
Assay Principle	The ELISA analytical biochemical technique is based on IRS-3 antibody-IRS-3 anti gen interactions (immunosorbency) and an HRP colorimetric detection system to de tect IRS-3 antigen targets in samples.
Background	IRS-3 is a signal transduction protein belonging to the insulin receptor substra te (IRS) family. Proteins within this family serve as crucial “bridges” in the i nsulin receptor signaling pathway. When insulin binds to the insulin receptor on the cell surface, the receptor becomes activated and phosphorylated (adding pho sphate groups). These phosphate groups then activate the IRS proteins. IRS-3 fun ctions as a signal relay, transmitting signals from the insulin receptor to down stream molecules (such as PI3K), thereby initiating various cellular biological responses, including glucose transport, lipid synthesis, and cell growth. Given its central position in insulin signaling, it may play a role in obesity.
Synonyms	IRS3
Formula Weight	131,591 Da
Applications	Mouse insulin receptor substrate 3 (IRS-3) ELISA kit is used to quantify IRS-3 i n mouse samples, providing data to support research in a wide range of areas, in cluding metabolism, obesity, *etc*.

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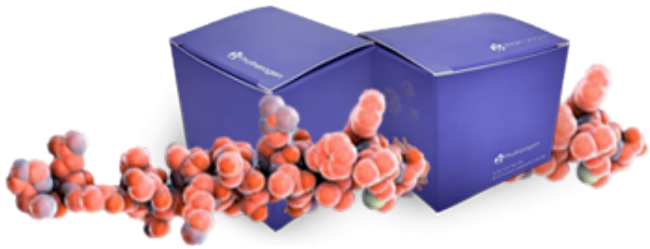

Research Area	Metabolism; Obesity

Specification

Sample Type	Mouse samples
Cross-reactivity	No significant cross-reactivity or interference was observed.
Storage	Store at 2-8°C.

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