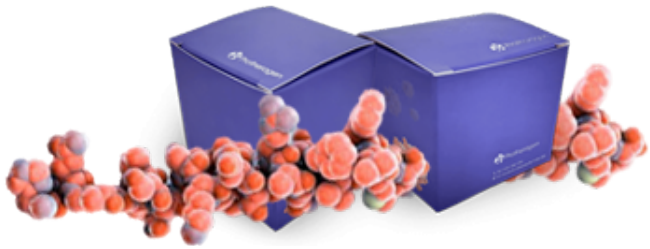
Protheragen Obesity



Monkey apolipoprotein C-III (apo-CIII) ELISA kit (10-4000 ng/L)

Cat. No.:	OB0625WXX-112
Assay Type:	Quantitative sandwich ELISA
Target Species:	Monkey
Assay Target:	apo-CIII
Size:	48T; 96T

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

Product Overview

Description	Monkey apolipoprotein C-III (apo-CIII) ELISA kit (10-4000 ng/L) is an ELISA-base d *in vitro* research tool designed specifically for the quantitative detec tion of apo-CIII in monkey with a range of 10-4000 ng/L and a specificity of 5.2 2 ng/L.
Assay Principle	Plates are pre-coated with monkey Apo-CIII antibody. Apo-CIII from the sample is added and binds to the antibody coated on the wells. Biotinylated monkey Apo-CI II antibody is then added and binds to Apo-CIII in the sample. Streptavidin-HRP is then added to bind to the biotinylated Apo-CIII antibody. After incubation, u nbound streptavidin-HRP is washed out in a wash step. The substrate solution is then added, and the color is developed proportionally to the amount of Monkey Ap o-CIII. The reaction is terminated by the addition of an acidic termination solu tion, and the absorbance is measured at 450 nm.
Background	Apolipoprotein C-III is secreted by the liver and small intestine. It is a very low-density lipoprotein (VLDL) protein that inhibits lipoprotein lipase and hepa tic lipase. Studies have found that it plays a key role in the metabolism of tri glyceride-rich lipoproteins (TRLs).
Synonyms	ApoC-III ; ApoCIII; Apo C-III; Apo C III; Apolipoprotein CIII; APOC3
Formula Weight	10,852 Da
Applications	Monkey apolipoprotein C-III (apo-CIII) ELISA kit (10-4000 ng/L) is used to quant ify apo-CIII in serum, plasma, cell culture supernates, cell lysates, tissue hom ogenate samples of monkey, providing data to support a wide range of studies.

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

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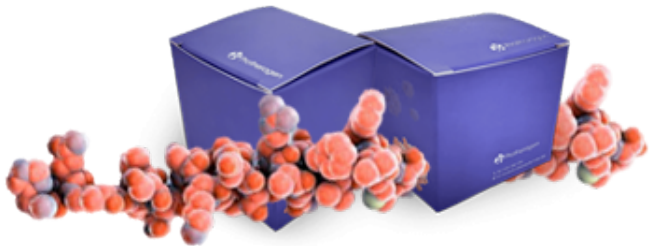

Research Area	Lipid metabolism; Fatty acid biosynthesis; Obesity research

Specification

Sample Type	Serum; Plasma; Cell culture supernates; Cell lysates; Tissue homogenates
Detection Range	10-4000 ng/L
Sensitivity	5.22 ng/L
Cross-reactivity	No significant cross-reactivity or interference was observed.
Stability	6 months
Storage	Store at 2-8°C.

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