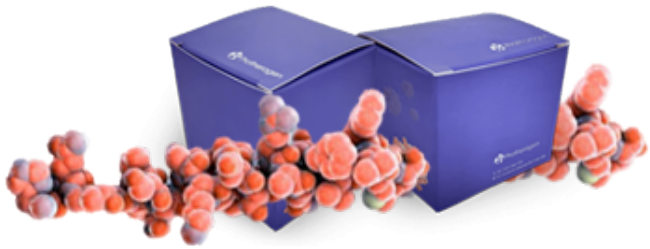
Protheragen Obesity



Monkey apolipoprotein C-II (APOC2) ELISA kit

Cat. No.:	OB0625WXX-126
Assay Type:	Quantitative sandwich ELISA
Target Species:	Monkey
Assay Target:	APOC2
Size:	24T; 48T; 96T

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

Product Overview

Description	Monkey apolipoprotein C-II (APOC2) ELISA kit is an ELISA-based *in vitro* r esearch tool designed specifically for the quantitative detection of APOC2 in mo nkey with a range of 3.125-200 ng/mL and a specificity of 1.875 ng/mL.
Assay Principle	The micro ELISA plates provided in this kit are pre-coated with an antibody spec ific for APOC2. Standards or samples are added to the appropriate micro ELISA pl ate wells and bound to the specific antibody. A biotinylated detection antibody specific for APOC2 and avidin-horseradish peroxidase (HRP) conjugate are then ad ded sequentially to each microplate well and incubated. The free components are washed away. Substrate solution is added to each well. Only wells containing APO C2, biotinylated detection antibody, and avidin-HRP conjugate will appear blue. Upon addition of sulfuric acid solution, the enzyme-substrate reaction terminate s, and the color changes to yellow. Optical density (OD) is measured spectrophot ometrically at 450 nm ± 2 nm. The OD value is proportional to the concentration of APOC2. The concentration of APOC2 in the sample is calculated by comparing th e OD value of the sample with the standard curve.
Background	Apolipoprotein C-II is a component of very low-density lipoproteins and chylomic rons. It activates lipoprotein lipase and plays an important role in lipoprotein metabolism as an activator of lipoprotein lipase.
Synonyms	Apolipoprotein C2; APC2; APO-CII; APOC-II; Apo-C2; ProapoC-II; Proapolipoprotein C-II

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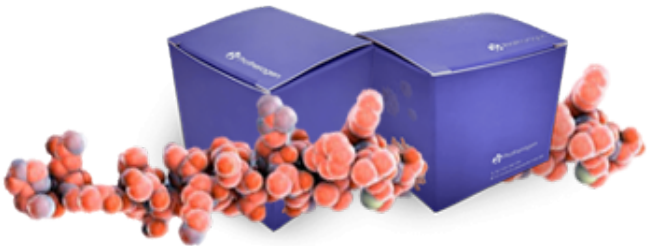

Formula Weight	11,284 Da
Applications	Monkey apolipoprotein C-II (APOC2) ELISA kit is used to quantify APOC2 in serum, plasma, and biological fluid samples of monkey, providing data to support a wid e range of studies.
Research Area	Metabolic pathway; Obesity research

Specification

Sample Type	Serum; Plasma; Biological fluids
Detection Range	3.125-200 ng/mL
Sensitivity	1.875 ng/mL
Cross-reactivity	No significant cross-reactivity or interference was observed.
Storage	Store at 4°C.

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