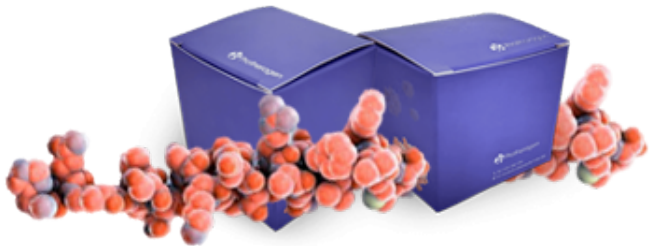
Protheragen Obesity



Human mu-crystallin homolog (CRYM) ELISA kit

Cat. No.:	OB0625WXX-468
Assay Type:	Quantitative sandwich ELISA
Target Species:	Human
Assay Target:	CRYM
Size:	48T; 96T

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

Product Overview

Description	Human mu-crystallin homolog (CRYM) ELISA kit is an ELISA-based *in vitro* r esearch tool designed specifically for the quantitative detection of CRYM in hum an with a range of 0.25-8 ng/mL and a specificity of 0.1 ng/mL.
Assay Principle	Solid phase antibody is made from purified human CRYM antibody, then CRYM and HR P-labeled CRYM antibody are added to the wells, and the reaction becomes an anti body-antigen-antibody-enzyme complex. After complete washing, the TMB substrate solution is added, and the TMB substrate turns blue, catalyzed by the HRP enzyme . Then sulfuric acid is added to terminate the reaction, and the change in color is measured spectrophotometrically at 450 nm. The color change is measured spec trophotometrically at 450 nm. The concentration of CRYM in the sample is then de termined by comparing the OD of the sample with the standard curve.
Background	CRYM specifically catalyzes the reduction of imine bonds in brain substrates. It may be involved in the regulation of the free intracellular concentration of tr iiodothyronine and access to its nuclear receptors.
Synonyms	NADP-regulated thyroid-hormone-binding protein; THBP
Formula Weight	33,776 Da
Applications	Human mu-crystallin homolog (CRYM) ELISA kit is used to quantify CRYM in serum, plasma, tissue homogenate, feces, urine samples of human, providing data to supp ort a wide range of studies.
Research Area	Endocrine

Specification

Address: 101-4 Colin Dr, Holbrook, NY 11741, USA
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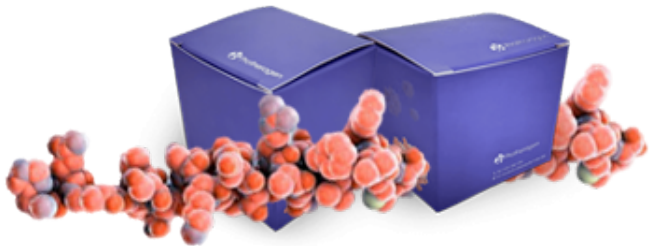

Sample Type	Serum; Plasma; Tissue homogenate; Feces; Urine
Detection Range	0.25-8 ng/mL
Sensitivity	0.1 ng/mL
Precision (Intra-assay)	CV<15%
Precision (Inter-assay)	CV<15%
Cross-reactivity	No significant cross-reactivity or interference was observed.
Storage	Store at 2-8°C.

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