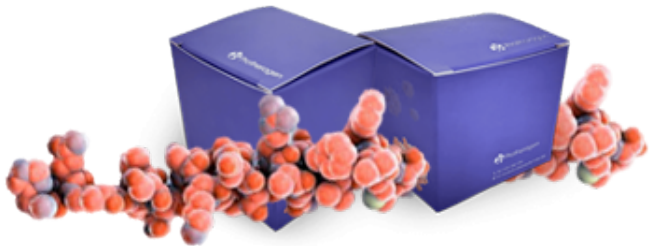
Protheragen Obesity



Mouse adrenocorticotropic hormone (ACTH) ELISA kit (12.35-1000 pg/mL, 4.38 pg/mL)

Cat. No.:	OB0525WXX-160
Assay Type:	Quantitative competitive ELISA
Target Species:	Mouse
Assay Target:	ACTH
Size:	96T

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

Product Overview

Description	Mouse adrenocorticotropic hormone (ACTH) ELISA kit (12.35-1000 pg/mL, 4.38 pg/mL) is a ready-to-use ELISA kit for analyzing mouse ACTH levels with a detection r ange of 12.35-1000 pg/mL and a sensitivity of 4.38 pg/mL.
Assay Principle	The kit is based on the ACTH antibody-ACTH antigen interaction (immunosorbent) a nd the HRP colorimetric detection system to detect ACTH antigen targets in sampl es.
Background	ACTH stimulates the adrenal glands to release cortisol. Defects in POMC may be a ssociated with susceptibility to obesity (OBESITY). It is a condition characteri zed by an increase in body weight beyond the limitations of skeletal and physica l requirements, as a result of excessive accumulation of body fat. Defects in PO MC are the cause of pro-opiomelanocortinin deficiency (POMCD). Affected individu als present early-onset obesity, adrenal insufficiency, and red hair.
Synonyms	ACTH; Corticotropin; Adrenocorticotropin; Adrenocorticotropic hormone; Pomc1; Po mc-1; Beta-LPH; AlphaMSH; beta-MSH; Gamma-LPH; Alpha-MSH; Gamma-MSH
Formula Weight	26,707 Da
Applications	Mouse adrenocorticotropic hormone (ACTH) ELISA kit (12.35-1000 pg/mL, 4.38 pg/mL) is designed for the *in vitro* quantitative analysis of ACTH levels in mo use serum, plasma, and other biological fluid samples.
Research Area	Hormone research; Metabolites; Signaling pathway; Glucose homeostasis; Regulatio n of appetite; Obesity

Specification

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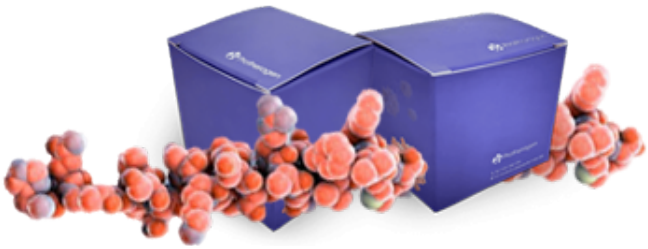

Sample Type	Serum; Plasma; Other biological fluids
Detection Range	12.35-1000 pg/mL
Sensitivity	4.38 pg/mL
Cross-reactivity	No significant cross-reactivity or interference was observed.
Stability	12 Months
Storage	Store at -20°C (antibodies, standard, streptavidin-HRP), 4°C (TMB) and room temperature (96-well plate).

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