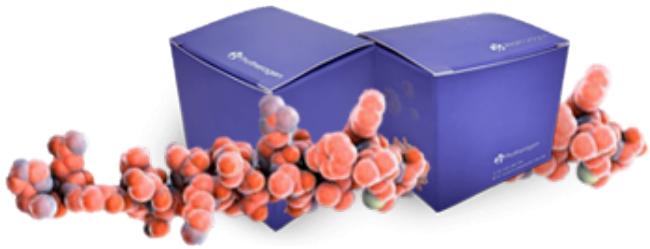
Protheragen Obesity



Rat estrogen receptor (ER) ELISA kit (0.5-150 ng/mL)

Cat. No.:	OB0625WXX-721
Assay Type:	Quantitative sandwich ELISA
Target Species:	Rat
Assay Target:	ER
Size:	48T; 96T

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

Product Overview

Description	Rat estrogen receptor (ER) ELISA kit (0.5-150 ng/mL) is an ELISA-based *in vit ro* research tool designed specifically for the quantitative detection of ER in rat with a range of 0.5-150 ng/mL and a specificity of 0.28 ng/mL.
Assay Principle	A rat ER antibody is used to coat the plate. ER from the sample is added to bind to the antibody coated on the wells. Biotinylated rat ER antibody is then added and binds to the ER in the sample. Streptavidin-HRP is then added and binds to the biotinylated ER antibody. After incubation, unbound streptavidin-HRP is wash ed out in a wash step. A substrate solution is then added, and the color develop ment is proportional to the amount of murine ER. The reaction is terminated by t he addition of an acidic termination solution, and the absorbance is measured at 450 nm.
Background	ER is a ligand-activated transcription factor composed of several domains import ant for hormone binding, DNA binding, and activation of transcription. Estrogens and their receptors play roles in sexual development, reproductive functions, b one, and other tissues. ERs are associated with various pathological processes.
Synonyms	Estradiol receptor; Oestrogen receptor; Receptors, Estrogen
Formula Weight	53,687 Da
Applications	Rat estrogen receptor (ER) ELISA kit (0.5-150 ng/mL) is used to quantify ER in s erum, plasma, cell culture supernates, cell lysates, tissue homogenate samples o f rat, providing data to support a wide range of studies.

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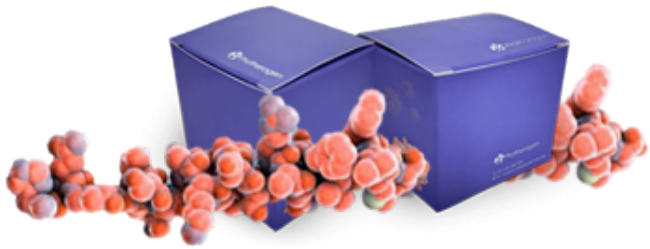

Research Area	Endocrinology

Specification

Sample Type	Serum; Plasma; Cell culture supernates; Cell lysates; Tissue homogenates
Detection Range	0.5-150 ng/mL
Sensitivity	0.28 ng/mL
Cross-reactivity	No significant cross-reactivity or interference was observed.
Stability	6 months
Storage	Store at 2-8°C.

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