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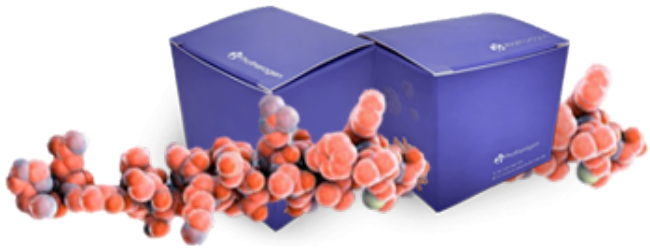
Obesity



Mouse cholecystokinin A receptor (CCKAR) ELISA kit

Cat. No.:	OB0625WXX-295
Assay Type:	Quantitative sandwich ELISA
Target Species:	Mouse
Assay Target:	CCKAR
Size:	48T; 96T

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

Product Overview

Description	Mouse cholecystokinin A receptor (CCKAR) ELISA kit is an ELISA-based *in vitro* research tool designed specifically for the quantitative detection of CCKAR in mouse with a range of 0.156-10 ng/mL and a specificity of 0.064 ng/mL.
Assay Principle	The microtiter plates in this kit are pre-coated with an antibody specific for C CKAR. Standards or samples are then added to the appropriate microtiter plate we lls along with a biotin-conjugated antibody preparation specific for CCKAR. Avid in conjugated to horseradish peroxidase (HRP) is then added to each microplate w ell and incubated. Upon addition of TMB substrate solution, only the wells conta ining CCKAR, biotin-conjugated antibody, and enzyme-conjugated avidin will show a color change. The enzyme-substrate reaction is terminated by the addition of s ulfuric acid solution, and the color change is then measured spectrophotometrica lly at 450 nm ± 10 nm. The OD of the sample is then compared to a standard curve to determine the concentration of CCKAR in the sample.
Background	Cholecystokinin A receptor is a G protein-coupled receptor that binds to non-sul fated members of the cholecystokinin (CCK) family of peptide hormones. It plays a role in regulating satiety and the release of dopamine, among others.
Synonyms	CCK-A; CCK1; CCKRA; CCK1R; Cholecystokinin type 1 receptor
Formula Weight	48,437 Da

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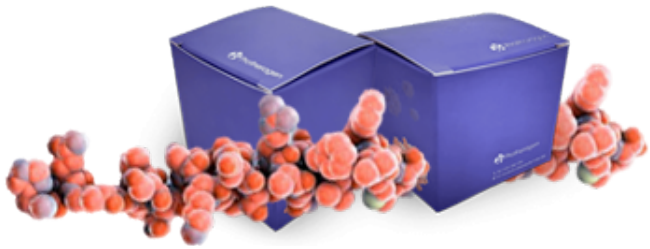

Applications	Mouse cholecystokinin A receptor (CCKAR) ELISA kit is used to quantify CCKAR in tissue homogenates and other biological fluid samples of mouse, providing data t o support a wide range of studies.
Research Area	Feeding behavior; Obesity research

Specification

Sample Type	Tissue homogenates; Other biological fluids
Detection Range	0.156-10 ng/mL
Sensitivity	0.064 ng/mL
Precision (Intra-assay)	CV<10%
Precision (Inter-assay)	CV<12%
Cross-reactivity	No significant cross-reactivity or interference was observed.
Storage	Store at 4°C (TMB substrate, wash buffer, stop solution) and -20°C (other reagen ts).

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