



Rabbit brain cannabinoid receptor 1 (CB1) ELISA kit (0.5-10 ng/mL)

Cat. No.:	OB0625WXX-365
Assay Type:	Quantitative sandwich ELISA
Target Species:	Rabbit
Assay Target:	CB1
Size:	48T; 96T

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

Product Overview

Description	Rabbit brain cannabinoid receptor 1 (CB1) ELISA kit (0.5-10 ng/mL) is an ELISA-based <i>in vitro</i> research tool designed specifically for the quantitative detection of CB1 in rabbit with a range of 0.5-10 ng/mL and a specificity of 0.1 ng/mL.
Assay Principle	The kit is based on CB1 antibody-CB1 antigen interaction (immunosorbent) and an HRP colorimetric detection system to detect CB1 antigen targets in samples.
Background	CB1 is a member of the cannabinoid receptor family and the G protein-coupled receptor (GPCR) superfamily. It is expressed at the highest levels in different brain regions, and is also present at lower levels in most other cell/tissue types, including adipose tissue. It is thought to activate multiple signaling pathways, regulating energy metabolism and cell survival/death. CB1 has become a drug target for treating obesity. CB1 inhibitors may be potential anti-obesity drugs.
Synonyms	CNR1; Central cannabinoid receptor; Brain-type cannabinoid receptor
Formula Weight	49,060 Da
Applications	Rabbit brain cannabinoid receptor 1 (CB1) ELISA kit (0.5-10 ng/mL) is used to quantify CB1 in serum, plasma, cell culture supernatants, body fluid, tissue homogenate samples of rabbits, providing data to support a wide range of studies.
Research Area	Lipolysis; Glucose uptake; Energy metabolism; Cell growth; Signaling pathway; Obesity research

Specification



Sample Type	Serum; Plasma; Cell culture supernatants; Body fluid; Tissue homogenate
Detection Range	0.5-10 ng/mL
Sensitivity	0.1 ng/mL
Cross-reactivity	No significant cross-reactivity or interference was observed.
Storage	Store at 2-8°C.