



Acetyl-CoA carboxylase 1 (ACACA) colorimetric cell-based ELISA kit

Cat. No.:	OB0525WXX-093
Assay Type:	Quantitative ELISA
Target Species:	Human; Mouse; Rat
Assay Target:	ACACA
Size:	96T

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

Product Overview

Description	Acetyl-CoA carboxylase 1 (ACACA) colorimetric cell-based ELISA kit is a ready-to-use ELISA kit for analyzing human, mouse, and rat ACACA levels and has high sensitivity and excellent specificity.
Assay Principle	The kit is based on ACACA antibody-ACACA antigen interactions (immunosorbency) and an HRP colorimetric detection system to detect ACACA antigen targets in samples.
Background	ACACA (also known as ACC1) is the first rate-limiting enzyme in fatty acid synthesis and is primarily responsible for converting cytoplasmic acetyl-CoA to malonyl-CoA. It plays a central role in fatty acid synthesis and is a promising therapeutic target for the treatment of obesity, cancer, metabolic diseases, and other disorders.
Synonyms	ACC1; ACC-alpha; Acetyl-coenzyme A carboxylase 1; EC 6.3.4.14
Formula Weight	265,554 Da
Applications	Acetyl-CoA carboxylase 1 (ACACA) colorimetric cell-based ELISA kit is designed for the <i>in vitro</i> quantitative analysis of ACACA levels in human, mouse, and rat biological samples.
Research Area	Metabolites; Fatty acid biosynthesis; Obesity

Specification

Sample Type	Biological samples
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Format	One 96-Well Plate
Cross-reactivity	No significant cross-reactivity or interference was observed.
Storage	Store at 4°C.