



Porcine hydroxyacyl coenzyme A dehydrogenase beta (HADHb) ELISA kit

Cat. No.:	0126WXX-345
Assay Type:	Quantitative ELISA
Target Species:	Porcine
Assay Target:	HADHb
Size:	48T; 96T

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

Product Overview

Description	Porcine hydroxyacyl coenzyme A dehydrogenase beta (HADHb) ELISA kit is an ELISA-based <i>in vitro</i> research tool designed specifically for the quantitative detection of HADHb in porcine samples. The kit is highly sensitive and easy to use.
Assay Principle	The ELISA analytical biochemical technique is based on HADHb antibody-HADHb antigen interactions (immunosorbency) and an HRP colorimetric detection system to detect HADHb antigen targets in samples.
Background	HADHB plays an essential role in the mitochondrial beta-oxidation of short chain fatty acids. Exerts its highest activity toward 3-hydroxybutyryl-CoA. Defects in HADH are the cause of 3-alpha-hydroxyacyl-CoA dehydrogenase deficiency (HADHD deficiency). Based on its regulatory role in fatty acid metabolism, it plays a certain role in obesity.
Synonyms	MTPB; Mitochondrial trifunctional protein, beta subunit; 3-Ketoacyl-coenzyme A thiolase/enoyl-coenzyme A hydratase (trifunctional protein) beta subunit; Beta-ketothiolase; HADHB; Trifunctional enzyme subunit beta, mitochondrial; TP-beta; MS TP029; EC 2.3.1.155; EC 2.3.1.16
EC NO.	2.3.1.155; 2.3.1.16
Formula Weight	34,294 Da
Applications	Porcine hydroxyacyl coenzyme A dehydrogenase beta (HADHb) ELISA kit is used to quantify HADHb in porcine samples, providing data to support research in a wide range of areas, including enzyme & kinase, metabolism, obesity, and others.



Research Area

Enzyme & kinase; Metabolism; Obesity

Specification

Sample Type

Porcine samples

Cross-reactivity

No significant cross-reactivity or interference was observed.

Storage

Store at 2-8°C.