



Cavy cathepsin S (CTSS) ELISA kit

Cat. No.:	OB0625WXX-513
Assay Type:	Quantitative sandwich ELISA
Target Species:	Cavy
Assay Target:	CTSS
Size:	1 kit

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

Product Overview

Description	Cavy cathepsin S (CTSS) ELISA kit is an ELISA-based <i>in vitro</i> research tool designed specifically for the quantitative detection of CTSS in cavy. The kit is highly specific and sensitive.
Assay Principle	The kit is based on CTSS antibody-CTSS antigen interaction (immunosorbent) and a n HRP colorimetric detection system to detect CTSS antigen targets in samples.
Background	CTSS is an important member of the cysteine protease family. As a potent mammalian elastase, it can degrade various extracellular components, including fibronectin, laminin, elastin, and collagen. CTSS is abnormally expressed in various disease states, such as obesity and atherosclerosis, which makes it a biomarker and a potential therapeutic target. Studies have found that CTSS inhibitors may be a possible strategy for treating obesity.
Synonyms	CTS-S; EC 3.4.22.27
EC NO.	3.4.22.27
Formula Weight	37,496 Da
Applications	Cavy cathepsin S (CTSS) ELISA kit is an important tool for the quantitative detection of CTSS in various biological samples of cavy.
Research Area	Obesity research; Immune response; Signaling pathway; Protein degradation

Specification

Sample Type	Cavy samples
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**Cross-reactivity**

No significant cross-reactivity or interference was observed.

Storage

Store at 2-8°C.