



## Mouse cathepsin A (CTSA) ELISA kit

<b>Cat. No.:</b>	OB0625WXX-499
<b>Assay Type:</b>	Quantitative sandwich ELISA
<b>Target Species:</b>	Mouse
<b>Assay Target:</b>	CTSA
<b>Size:</b>	48T; 96T

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

### Product Overview

<b>Description</b>	Mouse cathepsin A (CTSA) ELISA kit is an ELISA-based <i>in vitro</i> research tool designed specifically for the quantitative detection of CTSA in mouse with a range of 31.2-1000 pg/mL and a specificity of 5.0 pg/mL.
<b>Assay Principle</b>	The kit is based on CTSA antibody-CTSA antigen interactions (immunosorbent) and an HRP colorimetric detection system to detect CTSA antigen targets in samples.
<b>Background</b>	CTSA is a lysosomal serine carboxypeptidase. It binds with the lysosomal enzymes beta-galactosidase and neuraminidase, forming a high-molecular-weight multimeric complex, and has a protective role for their stability and activity.
<b>Synonyms</b>	Protective protein for beta-galactosidase; Galactosialidosis; Carboxypeptidase C ; Carboxypeptidase L; CTS-A; GLB2; GSL; NGBE; PPCA; PPGB; EC 3.4.16.5
<b>EC NO.</b>	3.4.16.5
<b>Formula Weight</b>	37,496 Da
<b>Applications</b>	Mouse cathepsin A (CTSA) ELISA kit is used to quantify CTSA in undiluted original mouse serum, plasma, tissue homogenate samples of mouse, providing data to support a wide range of studies.
<b>Research Area</b>	Metabolism; Homeostasis; Obesity research

### Specification

<b>Sample Type</b>	Undiluted original mouse serum; Plasma; Tissue homogenate samples
<b>Detection Range</b>	31.2-1000 pg/mL



<b>Sensitivity</b>	5.0 pg/mL
<b>Precision (Intra-assay)</b>	CV<15%
<b>Precision (Inter-assay)</b>	CV<15%
<b>Cross-reactivity</b>	No significant cross-reactivity or interference was observed.
<b>Storage</b>	Store at 2-8°C.