

# MOUSE CYSTATIN C ELISA KIT

## Catalog number

Mouse Cystatin C ELISA Kit.....80635

## Intended use

A high quality enzyme immunoassay for the quantification of mouse cystatin C in serum and plasma.

## Test principle

Crystal Chem's Mouse Cystatin C ELISA kit is based on a sandwich enzyme immunoassay. The cystatin C present in the sample binds with antibodies adsorbed to the surface of the microplate. Another enzyme-labeled antibody binds, in turn, to the immobilized cystatin C. In the closing substrate reaction, the cystatin C levels of the samples can be measured by color intensity.

## Specifications

<b>Sample Types</b>	Serum and Plasma
<b>Assay Time</b>	1 hour 40 minutes
<b>Range</b>	1.25 - 40 ng/mL
<b>Sample Size</b>	2 $\mu$ L
<b>Sensitivity</b>	0.15 ng/mL
<b>Precision</b>	CV < 10%

## Highlights

- ✓ Kits use only 2  $\mu$ L sample
- ✓ Very sensitive (0.15 ng/mL)
- ✓ Fast assay (< 2 hours)
- ✓ Wide dynamic range

## Summary of protocol

Add 100  $\mu$ L diluted sample or standard to well plate  
↓  
Incubate 1 hour at room temperature  
↓  
Wash plate  
↓  
Add 100  $\mu$ L of enzyme conjugate  
↓  
Incubate 30 minutes at room temperature  
↓  
Wash plate  
↓  
Add 100  $\mu$ L of substrate solution  
↓  
Incubate 10 minutes at room temperature in the dark  
↓  
Add 100  $\mu$ L of stop solution  
↓  
Measure OD at 450/630 nm

