

## Sheep Cathepsin L ELISA Kit | CTSL elisa kit

Sheep Cathepsin L ELISA Kit

CATALOG #  
**AAA92034**

REACTIVITY  
**Sheep**

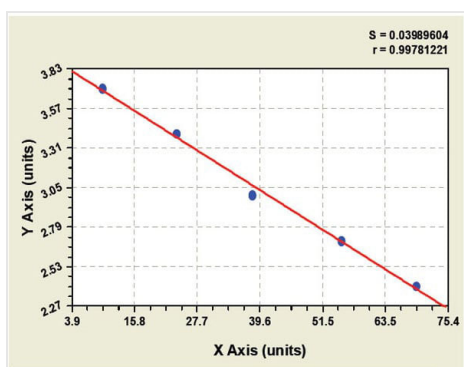
### PRODUCT SYNONYMS

Cathepsin L; Sheep Cathepsin L ELISA Kit; CTSL elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                            |
|-------------------------|----------------------------------------------------------------------------|
| Reactivity              | Sheep                                                                      |
| Samples                 | Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate |
| Assay Type              | Competitive                                                                |
| Sensitivity             | 1.0 pg/mL.                                                                 |
| Preparation and Storage | Store all reagents at 2-8 degree C.                                        |

### IMAGES



Standard Curve (Sample)

### ADDITIONAL INFORMATION

#### Related Product Information for CTSL elisa kit

**For samples:** Serum, plasma, cell culture supernatants, body fluid and tissue homogenate

**INTENDED USE** This CTSL ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Sheep CTSL. This ELISA kit for research use only!

**PRINCIPLE OF THE ASSAY** CTSL ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-CTSL antibody and an CTSL-HRP conjugate. The assay sample and buffer are incubated together with CTSL-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the CTSL concentration since CTSL from samples and CTSL-HRP conjugate compete for the anti-CTSL antibody binding site. Since the number of sites is limited, as more sites are occupied by CTSL from the sample, fewer sites are left to bind CTSL-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The CTSL concentration in each sample is interpolated from this standard curve.

## NCBI AND UNIPROT INFORMATION

|                         |                        |
|-------------------------|------------------------|
| NCBI GI #               | 530736                 |
| UniProt Accession #     | <a href="#">Q27708</a> |
| Molecular Weight        | 34,518 Da              |
| NCBI Official Full Name | cathepsin I, partial   |
| UniProt Protein Name    | Cathepsin I            |
| UniProt Entry Name      | Q27708_NEPNO           |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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