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Datasheet for ABIN6720216

## Cathepsin S ELISA Kit

### 1 Image

#### Overview

Quantity:	1 kit
Target:	Cathepsin S (CTSS)
Reactivity:	Human
Method Type:	Sandwich ELISA
Detection Range:	62.5 pg/mL - 4000 pg/mL
Minimum Detection Limit:	62.5 pg/mL
Application:	ELISA

#### Product Details

Purpose:	Sandwich ELISA for Quantitative Detection of Antigen
Sample Type:	Cell Culture Supernatant, Plasma (EDTA - heparin), Serum
Analytical Method:	Quantitative
Detection Method:	Colorimetric
Characteristics:	<p>Synonyms: CTSS</p> <p>Background: Cathepsin S, also known as CTSS, is a protein that in humans is encoded by the CTSS gene. A member of the peptidase C1 family, CTSS gene is a lysosomal cysteine proteinase that may participate in the degradation of antigenic proteins to peptides for presentation on MHC class II molecules. By fluorescence in situ hybridization(FISH), this gene is mapped to 1q21.3. The encoded protein can function as an elastase over a broad pH range in alveolar macrophages. The bond-specificity of this proteinase is in part similar to the specificities of cathepsin L and cathepsin N.</p>

## Product Details

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Gene Name: CTSS

Production: Natural and recombinant human Cathepsin S. There is no detectable cross-reactivity with other relevant proteins.

Standard: Expression system for standard: NS0, Immunogen sequence: Q17-I331&S109-I331

## Target Details

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Target: Cathepsin S (CTSS)

Alternative Name: Cathepsin S ([CTSS Products](#))

Gene ID: 1520

NCBI Accession: [NP\\_001186668](#)

UniProt: [P25774](#)

Pathways: [Activation of Innate immune Response, Toll-Like Receptors Cascades](#)

## Application Details

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Application Notes: Application Note: Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot 0.1 mL per well of the 4000pg/mL, 2000pg/mL, 1000pg/mL, 500pg/mL, 250pg/mL, 125pg/mL, 62.5pg/mL human Cathepsin S standard solutions into the precoated 96-well plate. Add 0.1 mL of the sample diluent buffer into the control well (Zero well). Add 0.1 mL of each properly diluted sample of human cell culture supernates, serum or plasma (heparin, EDTA) to each empty well. It is recommended that each human Cathepsin S standard solution and each sample be measured in duplicate.

Blood Product Anticoagulant: Heparin Sodium

ELISA Dilution: 62.5pg/mL-4000pg/mL

Sample Volume: 100 µL

Plate: Pre-coated

Restrictions: For Research Use only

## Handling

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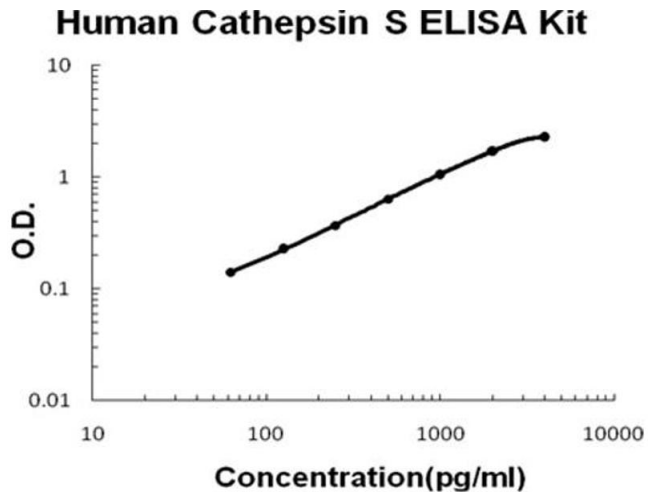
Storage: RT, 4 °C, -20 °C

Storage Comment: Store vials at 4°C prior to opening. Centrifuge product if not completely clear after standing at room temperature. This product is stable for 6 months at 4°C as an undiluted liquid. Dilute only

## Handling

prior to immediate use. For extended storage freeze at -20°C or below for 12 months. Avoid cycles of freezing and thawing.

## Images



### ELISA

**Image 1.** Human Cathepsin S Accusignal ELISA Kit Human Cathepsin S AccuSignal ELISA Kit standard curve. Assay Range: 62.5pg/ml-4000pg/ml. Sensitivity: <10pg/ml.