

## Bovine Cystatin-C (CST3) ELISA Kit

Catalog No: #EK11632



Package Size: #EK11632-1 48T #EK11632-2 96T

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

## Description

Product Name	Bovine Cystatin-C (CST3) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Bovine (Bos taurus; Cattle)
Other Names	ARMD11; MGC117328; OTTHUMP00000164181 OTTHUMP00000164182 bA218C14.4 (cystatin C) cystatin 3 gamma-trace neuroendocrine basic polypeptide post-gamma-globulin
Accession No.	P01035
Uniprot	P01035
GenID	281102;
Storage	<p>The stability of ELISA kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition.</p> <p>The loss rate was determined by accelerated thermal degradation test. Keep the kit at 37C for 4 and 7 days, and compare O.D.values of the kit kept at 37C with that of at recommended temperature. (referring from China Biological Products Standard, which was calculated by the Arrhenius equation. For ELISA kit, 4 days storage at 37C can be considered as 6 months at 2 - 8C, which means 7 days at 37C equaling 12 months at 2 - 8C).</p>

## Application Details

Detect Range:31.25-2000 ng/mL

Sensitivity:15.5 ng/mL

Sample Type:Serum, Plasma, Other biological fluids

Sample Volume: 1-200 µL

Assay Time:1-4.5h

Detection wavelength:450 nm

## Product Description

**Detection Method:**SandwichTest principle:This assay employs a two-site sandwich ELISA to quantitate CST3 in samples. An antibody specific for CST3 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyCST3 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for CST3 is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of CST3 bound in the initial step. The color development is stopped and the intensity of the color is measured.**Product Overview:**Cystatin C: A serum protein that is filtered out of the blood by the kidneys and that serves as a measure of kidney function. Cystatin C is produced steadily by all types of nucleated cells in the body. Its low molecular mass allows it to be freely filtered by the glomerular membrane in the kidney.Its concentration in blood correlates with the glomerular filtration rate. The levels of cystatin C are independent of weight and height, muscle mass, age (over a year of age), and sex. Measurements can be made and interpreted from a single random sample. Cystatin C is a better marker of the glomerular filtration rate and hence of kidney function than creatinine which was the most commonly used measure of kidney function.

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Note: This product is for in vitro research use only