

Bovine Casein Kappa (CSN3) ELISA Kit | CSN3 elisa kit

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CATALOG #
AAA139759

REACTIVITY
Bovine

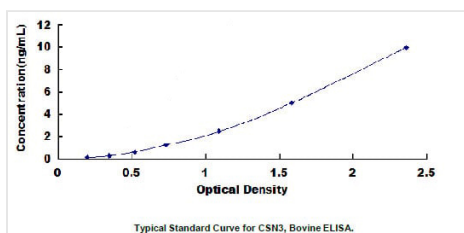
PRODUCT SYNONYMS

Casein Kappa (CSN3); Bovine Casein Kappa (CSN3) ELISA Kit; CSN10; CSNk; KCA; CASK; CSN3 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Bovine
Specificity	This assay has high sensitivity and excellent specificity for detection of CSN1. No significant cross-reactivity or interference between CSN1 and analogues was observed.
Sequence Length	182
Assay Type	Double-antibody Sandwich
Samples	Milk
Detection Range	0.156-10ng/mL
Sensitivity	0.071ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level CSN1 were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level CSN1 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	The stability of 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. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CSN3 elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of CSN1 in bovine milk. Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to CSN1. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to CSN1. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain CSN1, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm +/- 10nm. The concentration of CSN1 in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Product Categories/Family for CSN3 elisa kit	Signal Transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	119626019
NCBI GeneID	1448
UniProt Accession #	P07498; Q13575
Molecular Weight	20,305 Da
NCBI Official Full Name	casein kappa
NCBI Official Synonym Full Names	casein kappa
NCBI Official Symbol	CSN3
NCBI Official Synonym Symbols	KCA; CSNK; CNS10; CSN10
NCBI Protein Information	kappa-casein
UniProt Protein Name	Kappa-casein
UniProt Gene Name	CSN3
UniProt Synonym Gene Names	CASK; CSN10; CSNK
UniProt Entry Name	CASK_HUMAN

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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Online datasheet: <https://stage.aaabiotech.com/bovine-ovine-elisa-kits/casein-kappa-csn3/139759>