

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

Cattle Casein Kappa (CSN3) ELISA Kit

CATALOG #
AAA187511

REACTIVITY
Bovine

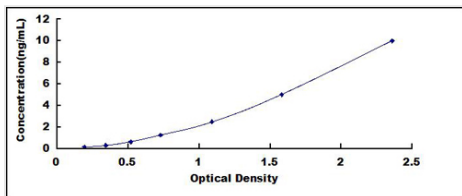
PRODUCT SYNONYMS

Casein Kappa (CSN3); Cattle 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 Casein Kappa (CSN3). No significant cross-reactivity or interference between Casein Kappa (CSN3) and analogues was observed.
Sequence Length	182
Assay Type	Double-antibody Sandwich
Samples	Milk
Detection Range	0.156-10ng/mL
Sensitivity	< 0.068ng/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Casein Kappa (CSN3) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Casein Kappa (CSN3) were tested on 3 different plates, 8 replicates in each plate.
CV(%) =	SD/meanX100
Intra-Assay	CV<10%
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	The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Casein Kappa (CSN3). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Casein Kappa (CSN3). 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 Casein Kappa (CSN3), 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 Casein Kappa (CSN3) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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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

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/bovine-ovine-elisa-kits/casein-kappa-csn3/187511>