

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

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CATALOG #
AAA65689

REACTIVITY
Bovine

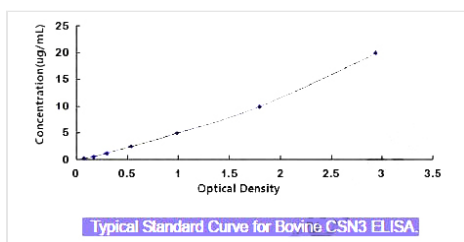
PRODUCT SYNONYMS

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 CSN3. No significant cross-reactivity or interference between CSN3 and analogues was observed.
Sequence Length	190
Samples	Bovine milk
Assay Type	Quantitative Sandwich
Detection Range	0.312-20ug/mL
Sensitivity	<0.101ug/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level CSN3 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 CSN3 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CSN3 elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for the in vitro quantitative measurement of CSN3 in bovine milk. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to CSN3. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to 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 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 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 #	27881412
NCBI GeneID	281728
NCBI Accession #	NP_776719.1
NCBI GenBank Nucleotide #	NM_174294.2
UniProt Accession #	P02668; O46566; Q597F3; Q6U205; Q9N271; Q9TRQ3; Q9TV96; Q9TV97
Molecular Weight	21,269 Da
NCBI Official Full Name	kappa-casein
NCBI Official Symbol	CSN3
NCBI Official Synonym Symbols	CSNK; CSN10; CSN3K
NCBI Protein Information	kappa-casein
UniProt Protein Name	Kappa-casein
UniProt Gene Name	CSN3
UniProt Synonym Gene Names	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.