

Bovine Casein Beta (CSN2) ELISA Kit | CSN2 elisa kit

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CATALOG # AAA14010	REACTIVITY Bovine
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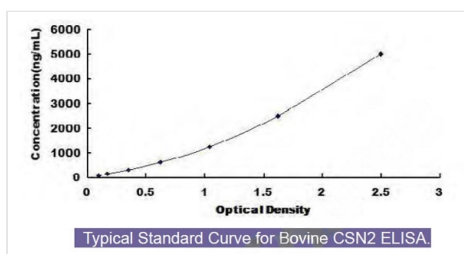
PRODUCT SYNONYMS

Casein Beta (CSN2); Bovine Casein Beta (CSN2) ELISA Kit; CASb; CSN2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Bovine
Specificity	This assay has high sensitivity and excellent specificity for detection of CSN2. No significant cross-reactivity or interference between CSN2 and analogues was observed.
Sequence Length	224
Assay Type	Quantitative Sandwich
Samples	Bovine milk
Detection Range	78.1-5000ng/mL
Sensitivity	< 27ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level CSN2 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 CSN2 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 CSN2 elisa kit	Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to CSN2. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to CSN2. 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 CSN2, 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 CSN2 in the samples is then determined by comparing the O.D. of the samples to the standard curve. Intended Uses: The kit is a sandwich enzyme immunoassay for the in vitro quantitative measurement of CSN2 in bovine milk.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	115660
NCBI GeneID	281099
UniProt Accession #	P02666; Q2TA13; Q5EEQ6; Q5EEQ7; Q6UN63; Q9BDG5; Q9TSD5; A1YQZ8; A6N8V0
Molecular Weight	25,107 Da
NCBI Official Full Name	Beta-casein
NCBI Official Symbol	CSN2
NCBI Protein Information	beta-casein
UniProt Protein Name	Beta-casein
UniProt Gene Name	CSN2

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.