

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

Human Casein Beta (CSN2) Wide-range ELISA Kit

CATALOG # AAA189219	REACTIVITY Human	APPLICATIONS ELISA
-------------------------------	----------------------------	------------------------------

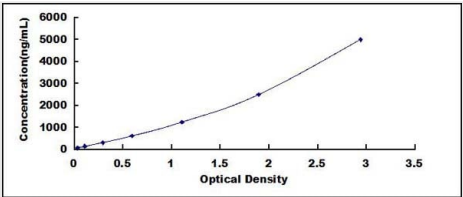
PRODUCT SYNONYMS

Casein Beta (CSN2); Human Casein Beta (CSN2) Wide-range ELISA Kit; Casein Beta; CASb; CSN2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Wide-range Casein Beta (CSN2). No significant cross-reactivity or interference between Wide-range Casein Beta (CSN2) and analogues was observed.
Sequence Length	226
Assay Type	Double-antibody Sandwich
Samples	Breast milk and other biological fluids
Detection Range	78-5,000ng/mL
Sensitivity	The minimum detectable dose of this kit is typically less than 35ng/mL
Applicable Applications for CSN2 elisa kit	ELISA
Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level Wide-range Casein Beta (CSN2) were tested 20 times on one plate, respectively. Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level Wide-range Casein Beta (CSN2) were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100 Intra-Assay: CV<10% Inter-Assay: CV<12%
Test Principle	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 Wide-range Casein Beta (CSN2). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Wide-range Casein Beta (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 Wide-range Casein Beta (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 Wide-range Casein Beta (CSN2) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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)

NCBI AND UNIPROT INFORMATION

NCBI GI #	4503087
NCBI GeneID	1447
NCBI Accession #	NP_001882.1
NCBI GenBank Nucleotide #	NP_001882.1
UniProt Accession #	P05814
NCBI Official Full Name	beta-casein isoform 1
NCBI Official Synonym Full Names	casein beta
NCBI Official Symbol	CSN2
NCBI Official Synonym Symbols	CASB
NCBI Protein Information	beta-casein
UniProt Protein Name	Beta-casein
UniProt Gene Name	CSN2
UniProt Synonym Gene Names	CASB
UniProt Entry Name	CASB_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.