

Sheep Beta-casein (CSN2) ELISA Kit | CSN2 elisa kit

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CATALOG #
AAA247067

REACTIVITY
Sheep

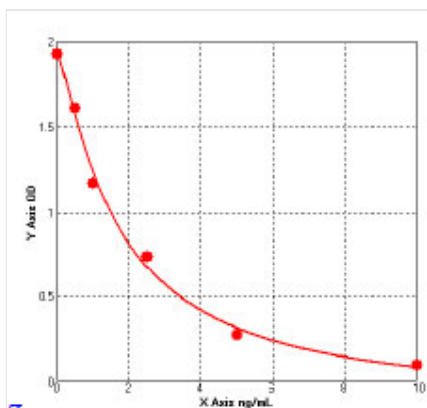
PRODUCT SYNONYMS

Beta-casein (CSN2); Sheep Beta-casein (CSN2) ELISA Kit; CSN2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Sheep
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. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between CSN2 and all the analogues, therefore, cross reaction may still exist in some cases.
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative Competitive
Sensitivity	0.1 mg/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CSN2 elisa kit	Intended Uses: This CSN2 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Sheep CSN2. This ELISA kit for research use only! Principle of the Assay: CSN2 ELISA kit applies the competitive enzyme immunoassay technique utilizing an anti-CSN2 antibody and an CSN2-HRP conjugate. The assay sample and buffer are incubated together with CSN2-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the CSN2 concentration since CSN2 from samples and CSN2-HRP conjugate compete for the anti-CSN2 antibody binding site. Since the number of sites is limited, as more sites are occupied by CSN2 from the sample, fewer sites are left to bind CSN2-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The CSN2 concentration in each sample is interpolated from this standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4503087
NCBI GeneID	1447
NCBI Accession #	NP_001882.1
NCBI GenBank Nucleotide #	NM_001891.2
Molecular Weight	25,382 Da
NCBI Official Full Name	beta-casein
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.

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Online datasheet: <https://www.aaabiotech.com/sheep-elisa-kits/beta-casein-csn2/247067>