

Sheep Cross Linked C-Telopeptide Of Type I Collagen ELISA Kit | CTXI elisa kit

Sheep Cross Linked C-Telopeptide Of Type I Collagen (CTXI) (Competitive ELISA) ELISA Kit

CATALOG #
AAA190060

REACTIVITY
Sheep

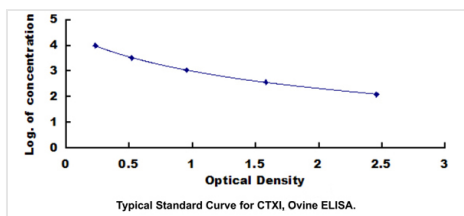
PRODUCT SYNONYMS

Cross Linked C-Telopeptide Of Type I Collagen; Sheep Cross Linked C-Telopeptide Of Type I Collagen (CTXI) (Competitive ELISA) ELISA Kit; CTX-I; CTXI;; ELISA Kit for Cross Linked C-Telopeptide Of Type I Collagen (CTXI); CTXI elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Sheep
Specificity	This assay has high sensitivity and excellent specificity for detection of CTXI. No significant cross-reactivity or interference between CTXI and analogues was observed.
Assay Type	Quantitative Competitive
Samples	Ovine serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids
Detection Range	123.5-10,000pg/mL
Sensitivity	< 46.3pg/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level CTXI 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 CTXI were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	4 degree C for 1 month/ -20 degree C for long-term(within shelf life). Shelf life is one year

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CTXI elisa kit	Principle of the Assay: This assay employs the competitive inhibition enzyme immunoassay technique. A monoclonal antibody specific to CTXI has been pre-coated onto a microplate. A competitive inhibition reaction is launched between biotin labeled CTXI and unlabeled CTXI (Standards or samples) with the pre-coated antibody specific to CTXI. After incubation the unbound conjugate is washed off. Next, avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. The amount of bound HRP conjugate is reverse proportional to the concentration of CTXI in the sample. After addition of the substrate solution, the intensity of color developed is reverse proportional to the concentration of CTXI in the sample. Intended Uses: The kit is a competitive inhibition enzyme immunoassay technique for the in vitro quantitative measurement of CTXI in ovine serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids.
Product Categories/Family for CTXI elisa kit	Metabolic pathway

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://stage.aaabiotech.com/ctxi-sheep-elisa-kits/cross-linked-c-telopeptide-of-type-i-collagen/190060>