

Rat Cross Linked C-Telopeptide Of Type II Collagen (CTXII) ELISA Kit | CTXII elisa kit

Rat Cross Linked C-Telopeptide Of Type II Collagen (CTXII) Mini Samples ELISA Kit

CATALOG #
AAA147363

REACTIVITY
Rat

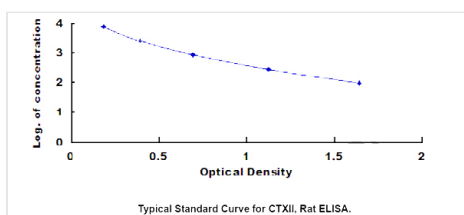
PRODUCT SYNONYMS

Cross Linked C-Telopeptide Of Type II Collagen (CTXII); Rat Cross Linked C-Telopeptide Of Type II Collagen (CTXII) Mini Samples ELISA Kit; CTX-II; CTX2; CTXII elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of CTXII. No significant cross-reactivity or interference between CTXII and analogues was observed.
Assay Type	Quantitative Competitive
Samples	Rat serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids
Detection Range	98.8-8,000pg/mL
Sensitivity	< 39.4pg/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level CTXII 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 CTXII were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CTXII elisa kit

Principle of the Assay: This assay employs the competitive inhibition enzyme immunoassay technique. An antibody specific to CTXII has been pre-coated onto a microplate. A competitive inhibition reaction is launched between biotin labeled CTXII and unlabeled CTXII (Standards or samples) with the pre-coated antibody specific to CTXII. 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 CTXII in the sample. After addition of the substrate solution, the intensity of color developed is reverse proportional to the concentration of CTXII in the sample.

Intended Uses: The kit is a competitive inhibition enzyme immunoassay technique for the in vitro quantitative measurement of CTXII in rat serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids.

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/rat-elisa-kits/cross-linked-c-telopeptide-of-type-ii-collagen-ctxii/147363>