

## Human CTXI (Cross Linked C-Telopeptide Of Type I Collagen) ELISA Kit | CTXI elisa kit

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CATALOG #  
**AAA27993**

REACTIVITY  
**Human**

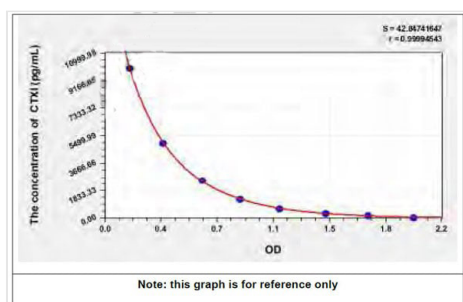
### PRODUCT SYNONYMS

CTXI (Cross Linked C-Telopeptide Of Type I Collagen); Human CTXI (Cross Linked C-Telopeptide Of Type I Collagen) ELISA Kit; CTX-I; CTX1;; CTXI elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                       |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Human                                                                                                                                                                                 |
| Specificity             | This assay has high sensitivity and excellent specificity for detection of Human CTXI. No significant cross-reactivity or interference between Human CTXI and analogues was observed. |
| Detection Range         | 156.25-10000 pg/mL                                                                                                                                                                    |
| Sensitivity             | 52.9 pg/mL                                                                                                                                                                            |
| Intra-assay Precision   | Intra-assay Precision (Precision within an assay)?CV% < 8%. Three samples of known concentration were tested twenty times on 1 plate to assess intra-assay precision.                 |
| Inter-assay Precision   | Inter-assay Precision (precision between assays)?CV% < 10%. Three samples of known concentration were tested in forty separate assays to assess inter-assay precision.                |
| Preparation and Storage | Store at 2-8 degree C. Stable for 6 months from date of receipt.                                                                                                                      |

### 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. The microtiter plate provided in this kit has been pre-coated with Cross Linked C-Telopeptide Of Type I Collagen (CTXI) protein. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Cross Linked C-Telopeptide Of Type I Collagen (CTXI). Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added. 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 Cross Linked C-Telopeptide Of Type I Collagen (CTXI) in the samples is then determined by comparing the OD of the samples to the standard curve.

#### Product Categories/Family for CTXI elisa kit

Metabolic pathway; Bone metabolism

**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/human-elisa-kits/ctxi-cross-linked-c-telopeptide-of-type-i-collagen/27993>