Rat Cross linked C terminal Telopeptide of type I Collagen (CTX1) ELISA Kit | CTX1 elisa kit

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CATALOG #	REACTIVITY
AAA16438	**Rat**

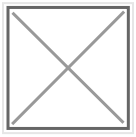
PRODUCT SYNONYMS

Cross linked C terminal Telopeptide of type I Collagen (CTX1); Rat Cross linked C terminal Telopeptide of type I Collagen (CTX1) ELISA Kit; CTX1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of CTX1. No significant cross-reactivity or interference between CTX1 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between CTX1 and all the analogues, therefore, cross reaction may still exist in some cases.
Assay Type	Quantitative Competitive
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Sensitivity	0.1 ng/ml
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CTX1 elisa kit	Principle of the Assay: CTX1 ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-CTX1 antibody and an CTX1-HRP conjugate. The assay sample and buffer are incubated together with CTX1-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 CTX1 concentration since CTX1 from samples and CTX1-HRP conjugate compete for the anti-CTX1 antibody binding site. Since the number of sites is limited, as more sites are occupied by CTX1 from the sample, fewer sites are left to bind CTX1-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The CTX1 concentration in each sample is interpolated from this standard curve. Intended Uses: This CTX1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat CTX1. This ELISA kit for research use only, not for therapeutic or diagnostic applications!
Product Categories/Family for CTX1 elisa kit	Cell Biology

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-terminal-telopeptide-of-type-i-collagen-ctx1/16438