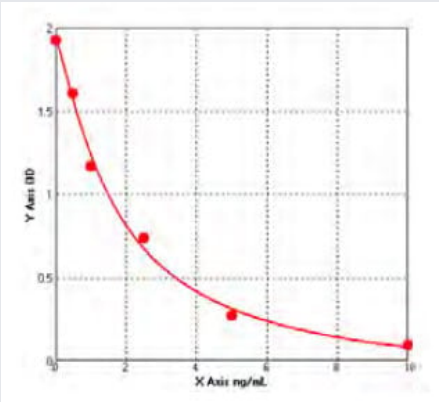
Cross Linked C Terminal Telopeptides of Type 1 Collagen (CTXI) ELISA Kit for Human

PRODUCT OVERVIEW

Product Name	Cross linked C terminal Telopeptides of type I collagen (CTXI), ELISA Kit
Full Product Name	Human Cross linked C terminal Telopeptides of type I collagen ELISA Kit
Product Gene Name	CTXI elisa kit
Species Reactivity	Human
Assay Type	Quantitative Competitive or Sandwich
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Sensitivity	0.1 ng/ml
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.
Preparation and Storage	Store all reagents at 2-8 degree C.
Sample Preparation	We suggest pre-experimenting with neat (undiluted) samples, 1:2 or 1:4 dilutions. Please avoid diluting your samples more than 1:10 as it would exceed the dilution limit set for this kit. If the expected concentration of the target is beyond the detection range of the kit, please contact our technical support team
Product Categories/Family for CTXI elisa kit	Cell Biology
ISO Certification	Manufactured in an ISO 13485:2016 Certified Laboratory.
Related Product Information for CTXI 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: ThisF CTX1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human CTX1. This ELISA kit for research use only, not for therapeutic or test applications!
Other Notes	Small volumes of CTXI elisa kit vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for CTXI purchase	MBS731778 is a ready-to-use microwell, strip plate ELISA (enzyme-linked immunosorbent assay) Kit for analyzing the presence of the Cross linked C terminal Telopeptides of type I collagen (CTXI) ELISA Kit target analytes in biological samples. The concentration gradients of the kit standards or positive controls render a theoretical kit detection range in biological research samples containing CTXI. The ELISA analytical biochemical technique of the MBS731778 kit is based on CTXI antibody-CTXI antigen interactions (immunosorbency) and an HRP colorimetric detection system to detect CTXI antigen targets in samples. The ELISA Kit is designed to detect native, not recombinant, CTXI. Appropriate sample types may include undiluted body fluids and/or tissue homogenates, secretions. Quality control assays assessing reproducibility identified the intra-assay CV (%) and inter-assay CV(%).



Typical Testing Data/Standard Curve (for reference only) of CTXI elisa kit

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

MyBioSource | Tel: +1.858.633.0165 | Fax: +1.858.633.0166 | mybiosource.com/contact-us
Online datasheet: https://www.mybiosource.com/ctxi-human-elisa-kits/cross-linked-c-terminal-telopeptides-of-type-i-collagen/731778