

Human C telopeptide of type II collagen ELISA Kit | CTX II elisa kit

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CATALOG #
AAA16461

REACTIVITY
Human

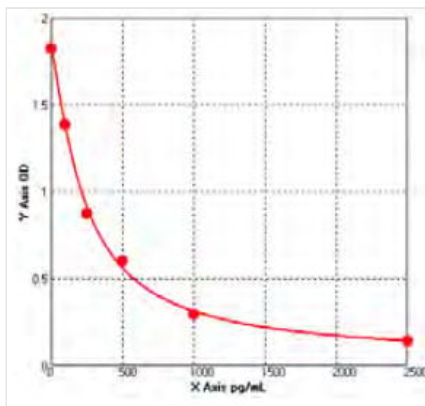
PRODUCT SYNONYMS

C telopeptide of type II collagen; Human C telopeptide of type II collagen ELISA Kit; CTX II elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of CTX2. No significant cross-reactivity or interference between CTX2 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between CTX2 and all the analogues, therefore, cross reaction may still exist in some cases.
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative Competitive
Sensitivity	1.0 pg/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CTX II elisa kit	Intended Uses: This CTX2 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human CTX2. This ELISA kit for research use only, not for therapeutic or test applications! Principle of the Assay: CTX2 ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-CTX2 antibody and an CTX2-HRP conjugate. The assay sample and buffer are incubated together with CTX2-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 CTX2 concentration since CTX2 from samples and CTX2-HRP conjugate compete for the anti-CTX2 antibody binding site. Since the number of sites is limited, as more sites are occupied by CTX2 from the sample, fewer sites are left to bind CTX2-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The CTX2 concentration in each sample is interpolated from this standard curve.
Product Categories/Family for CTX II elisa kit	Cardiovascular

NCBI AND UNIPROT INFORMATION

NCBI GI #	111118976
NCBI GeneID	1280
NCBI Accession #	NP_001835.3
NCBI GenBank Nucleotide #	NM_001844.4
Molecular Weight	29,781 Da
NCBI Official Full Name	collagen alpha-1(II) chain isoform 1
NCBI Official Synonym Full Names	collagen, type II, alpha 1
NCBI Official Symbol	COL2A1
NCBI Official Synonym Symbols	AOM; ANFH; SEDC; STL1; COL11A3
NCBI Protein Information	collagen alpha-1(II) chain; collagen alpha-1(II) chain; chondrocalcin; cartilage collagen; alpha-1 type II collagen; collagen II, alpha-1 polypeptide; arthroophthalmopathy, progressive (Stickler syndrome)
UniProt Protein Name	Collagen alpha-1(II) chain
UniProt Gene Name	COL2A1
UniProt Entry Name	CO2A1_HUMAN

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/ctx-ii-human-elisa-kits/c-telopeptide-of-type-ii-collagen/16461>