

Human CTX-II ELISA Kit | CTX-II elisa kit

Human CTX-II(Cross Linked C-telopeptide of Type II Collagen)ELISA Kit

CATALOG #
AAA21664

REACTIVITY
Human

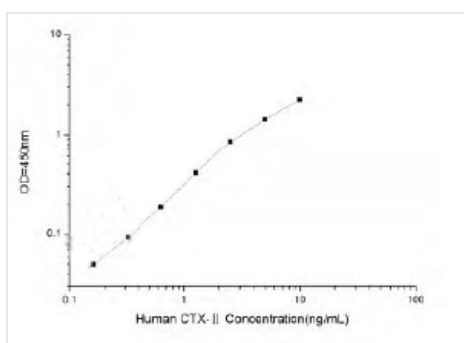
PRODUCT SYNONYMS

CTX-II; Human CTX-II(Cross Linked C-telopeptide of Type II Collagen)ELISA Kit; CTX-II elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This kit recognizes Human CTX-II in samples. No significant cross-reactivity or interference between Human CTX-II and analogues was observed.
Sequence Length	1418
Assay Type	Quantitative Sandwich
Samples	Serum, plasma and other biological fluids
Detection Range	0.16-10ng/mL
Sensitivity	0.1ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, mid range and high level Human CTX-II were tested 20 times on one plate, respectively.
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, mid range and high level Human CTX-II were tested on 3 different plates, 20 replicates in each plate.
Preparation and Storage	Store at 4 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CTX-II elisa kit	Principle of the Assay: This ELISA kit uses the Sandwich-ELISA principle. The micro ELISA plate provided in this kit has been pre-coated with an antibody specific to Human CTX-II. Standards or samples are added to the micro ELISA plate wells and combined with the specific antibody. Then a biotinylated detection antibody specific for Human CTX-II and Avidin-Horseradish Peroxidase (HRP) conjugate are added successively to each micro plate well and incubated. Free components are washed away. The substrate solution is added to each well. Only those wells that contain Human CTX-II, biotinylated detection antibody and Avidin-HRP conjugate will appear blue in color. The enzyme-substrate reaction is terminated by the addition of stop solution and the color turns yellow. The optical density (OD) is measured spectrophotometrically at a wavelength of 450 nm ± 2 nm. The OD value is proportional to the concentration of Human CTX-II. You can calculate the concentration of Human CTX-II in the samples by comparing the OD of the samples to the standard curve. Intended Uses: This ELISA kit applies to the in vitro quantitative determination of Human CTX-II concentrations in serum, plasma and other biological fluids.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	126352361
NCBI GeneID	791241
NCBI Accession #	NP_001075233.1
NCBI GenBank Nucleotide #	NM_001081764.1
NCBI Official Full Name	collagen alpha-1(II) chain
NCBI Official Symbol	COL2A1
NCBI Protein Information	collagen alpha-1(II) chain; collagen alpha-1(II) chain; collagen, type II, alpha 1 (primary osteoarthritis, spondyloepiphyseal dysplasia, congenital); type II collagen

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/ctx-ii/21664>