

Guinea Pig C-telopeptide of type II collagen ELISA Kit | CTX-II elisa kit

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CATALOG #
AAA16329

REACTIVITY
Guinea Pig

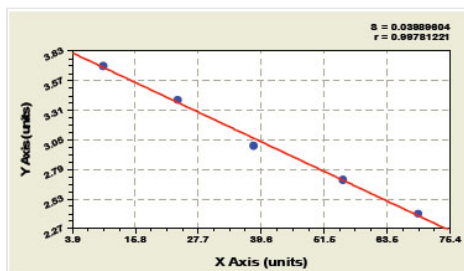
PRODUCT SYNONYMS

C-telopeptide of type II collagen; Guinea pig C-telopeptide of type II collagen ELISA Kit; CTX-II elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Guinea Pig
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	250-5000pg/mL
Sensitivity	1.0pg/mL
Intended Uses	This CTx-2 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Guinea pig CTx-2. This ELISA kit for research use only, not for therapeutic applications!
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

Principle of the assay: CTx-2 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-CTX-2 antibody and an CTx-2-HRP conjugate. The assay sample and buffer are incubated together with CTx-2-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 CTx-2 concentration since CTx-2 from samples and CTx-2-HRP conjugate compete for the anti-CTX-2 antibody binding site. Since the number of sites is limited, as more sites are occupied by CTx-2 from the sample, fewer sites are left to bind CTx-2-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The CTx-2 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-guinea-pig-pig-elisa-kits/c-telopeptide-of-type-ii-collagen/16329>