

Guinea Pig Cross-linked N-telopeptides of collagen type 1 ELISA Kit | NTx elisa kit

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CATALOG #
AAA85917

REACTIVITY
Guinea Pig

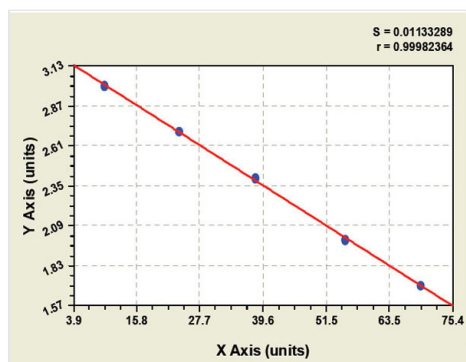
PRODUCT SYNONYMS

Cross-linked N-telopeptides of collagen type 1; Guinea pig Cross-linked N-telopeptides of collagen type 1 ELISA Kit; NTx elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Guinea Pig
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	10-250nmol/L
Sensitivity	1.0nmol/L
Intended Uses	This NTx ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Guinea pig NTx. 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 NTx elisa kit

Principle of the Assay: NTx ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-NTx antibody and an NTx-HRP conjugate. The assay sample and buffer are incubated together with NTx-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 NTx concentration since NTx from samples and NTx-HRP conjugate compete for the anti-NTx antibody binding site. Since the number of sites is limited, as more sites are occupied by NTx from the sample, fewer sites are left to bind NTx-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The NTx concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4579738
Molecular Weight	146,743 Da
NCBI Official Full Name	NTX, partial
UniProt Protein Name	NTX
UniProt Gene Name	ntx
UniProt Entry Name	Q9QTG7_CBDP

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.