

Human Collagen Type X ELISA Kit | COL10 elisa kit

Human Collagen Type X ELISA Kit

CATALOG #
AAA83130

REACTIVITY
Human

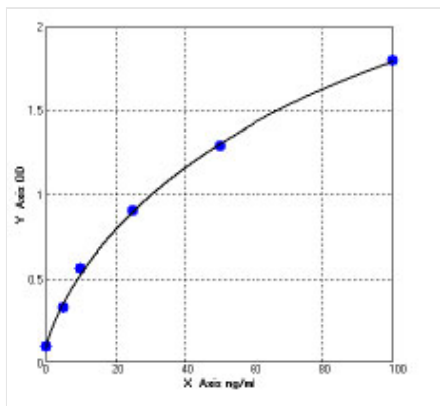
PRODUCT SYNONYMS

Collagen Type X; Human Collagen Type X ELISA Kit; COL10 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of COL10. No significant cross-reactivity or interference between COL10 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between COL10 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	Competitive or Sandwich
Sensitivity	1.0 ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for COL10 elisa kit	Intended Uses: This COL10 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human COL10. This ELISA kit for research use only! Principle of the Assay: COL10 ELISA kit applies the quantitative sandwich enzyme immunoassay technique. The microtiter plate has been pre-coated with a monoclonal antibody specific for COL10. Standards or samples are then added to the microtiter plate wells and COL10 if present, will bind to the antibody pre-coated wells. In order to quantitatively determine the amount of COL10 present in the sample, a standardized preparation of horseradish peroxidase (HRP)-conjugated polyclonal antibody, specific for COL10 are added to each well to "sandwich" the COL10 immobilized on the plate. The microtiter plate undergoes incubation, and then the wells are thoroughly washed to remove all unbound components. Next, substrate solutions are added to each well. The enzyme (HRP) and substrate are allowed to react over a short incubation period. Only those wells that contain COL10 and enzyme-conjugated antibody will exhibit a change in color. The enzyme-substrate reaction is terminated by addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The COL10 concentration in each sample is interpolated from this standard curve.
Product Categories/Family for COL10 elisa kit	Cell Biology

NCBI AND UNIPROT INFORMATION

NCBI GI #	18105032
NCBI GeneID	1300
NCBI Accession #	NP_000484.2
NCBI GenBank Nucleotide #	NM_000493.3
Molecular Weight	66,158 Da
NCBI Official Full Name	collagen alpha-1(X) chain
NCBI Official Synonym Full Names	collagen, type X, alpha 1
NCBI Official Symbol	COL10A1
NCBI Protein Information	collagen alpha-1(X) chain; collagen alpha-1(X) chain; collagen X, alpha-1 polypeptide; Schmid metaphyseal chondrodysplasia
UniProt Protein Name	Collagen alpha-1(X) chain
UniProt Gene Name	COL10A1
UniProt Entry Name	COAA1_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/col10-human-elisa-kits/collagen-type-x/83130>