

Human COL10 ELISA Kit | COL10 elisa kit

Human COL10 (Collagen Type X) ELISA Kit

CATALOG #
AAA165643

REACTIVITY
Human

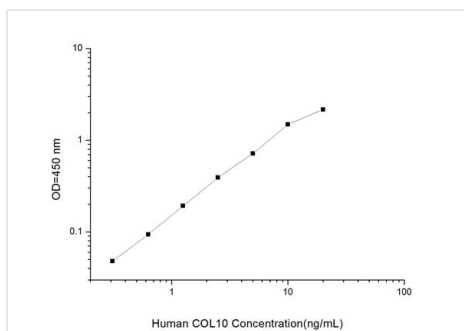
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Human COL10. No significant cross-reactivity or interference between Human COL10 and analogues was observed. Note: Limited by current skills and knowledge, it is impossible for us to complete the cross- reactivity detection between Human COL10 and all the analogues, therefore, cross reaction may still exist.
Sequence Length	680
Samples	Serum, Plasma, Biological Fluids
Assay Type	Sandwich
Detection Range	0.313-20ng/mL
Sensitivity	Min: 0.188ng/mL; Max: 20ng/mL
Preparation and Storage	Store at 4 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for COL10 elisa kit	Description: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of COL10 in human serum, plasma and other biological fluids Principle of the Assay: This ELISA kit uses Sandwich-ELISA as the method. The micro ELISA plate provided in this kit has been pre-coated with an antibody specific to Human COL10. Standards or samples are added to the appropriate micro ELISA plate wells and bound by the specific antibody. Then a biotinylated detection antibody specific for Human COL10 and Avidin-Horseradish Peroxidase (HRP) conjugate is added to each micro plate well successively and incubated. Free components are washed away. The substrate solution is added to each well. Only those wells that contain Human COL10, biotinylated detection antibody and Avidin-HRP conjugate will appear blue in color. The enzyme-substrate reaction is terminated by the addition of a sulphuric acid 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 COL10. You can calculate the concentration of Human COL10 in the samples by comparing the OD of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	6753480
NCBI GeneID	12813
NCBI Accession #	NP_034055.1
NCBI GenBank Nucleotide #	NM_009925.4
UniProt Accession #	Q05306
Molecular Weight	66,775 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 Official Synonym Symbols	Col10; Col10a-1
NCBI Protein Information	collagen alpha-1(X) chain; collagen alpha-1(X) chain; procollagen, type X, alpha 1
UniProt Protein Name	Collagen alpha-1(X) chain
UniProt Gene Name	Col10a1
UniProt Entry Name	COAA1_MOUSE

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/col10/165643>