

Human Collagen Type III ELISA Kit | Col III elisa kit

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CATALOG #
AAA16536

REACTIVITY
Human

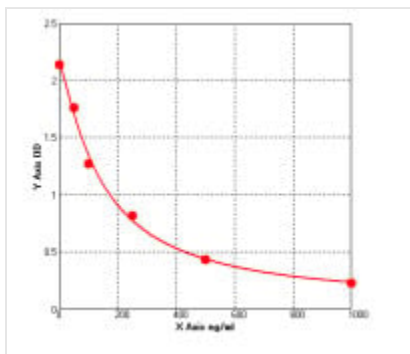
PRODUCT SYNONYMS

Collagen Type III; Human Collagen Type III ELISA Kit; Human Collagen Type III (Col III) ELISA Kit; Collagen Type III (Human); Col III elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of COL3. No significant cross-reactivity or interference between COL3 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between COL3 and all the analogues, therefore, cross reaction may still exist in some cases.
Assay Type	Quantitative Competitive
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
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 Col III elisa kit	Principle of the Assay: COL3 ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-COL3 antibody and an COL3-HRP conjugate. The assay sample and buffer are incubated together with COL3-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 COL3 concentration since COL3 from samples and COL3-HRP conjugate compete for the anti-COL3 antibody binding site. Since the number of sites is limited, as more sites are occupied by COL3 from the sample, fewer sites are left to bind COL3-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The COL3 concentration in each sample is interpolated from this standard curve. Intended Uses: This COL3 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human COL3. This ELISA kit for research use only, not for therapeutic or diagnostic applications!
Product Categories/Family for Col III elisa kit	Human ELISA Kit

NCBI AND UNIPROT INFORMATION

NCBI GI #	494319369
NCBI Official Full Name	collagen type III alpha 1

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/col-iii-human-elisa-kits/collagen-type-iii/16536>