

Rat Collagen Type III, Col III ELISA Kit | Col III elisa kit

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CATALOG #
AAA80261

REACTIVITY
Rat

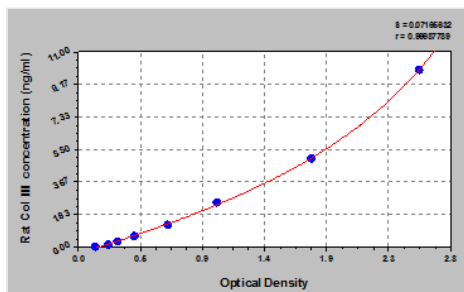
PRODUCT SYNONYMS

Collagen Type III; Col III; Rat Collagen Type III; Col III ELISA Kit; Col III ELISA KIT; Col III elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Samples	Serum, plasma, tissue homogenates
Detection Range	0.156 ng/ml-10 ng/ml
Sensitivity	0.039 ng/ml
Detection Wavelength	450 nm
Sample Volume	50-100ul
Preparation and Storage	Unopened test kits should be stored at 2 to 8 degree C upon receipt. Please refer to pdf manual for further storage instructions.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for Col III elisa kit	Introduction: Type III collagen has been suggested to play a major role in development and wound healing, and contribute to the viscoelastic properties of most connective tissues. Type III Collagen is found co-localized with Type I Collagen in tissues, blood vessels and skin. Type III Collagen is a homotrimeric procollagen comprised of three identical pro alpha1 (III) chains. Collagen III is important for the development of skin and the cardiovascular system and for maintaining normal physiological functions in adult life. Collagen III has been used for studies of Collagen I fibrillogenesis in normal cardiovascular development. Many of the same properties and functions of animal derived collagens can be duplicated using recombinant human collagens Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to Col III. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific for Col III and Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. Then a TMB (3,3',5,5' tetramethyl-benzidine) substrate solution is added to each well. Only those wells that contain Col III, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm +/- 2 nm. The concentration of Col III in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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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/rat-elisa-kits/collagen-type-iii-col-iii/80261>