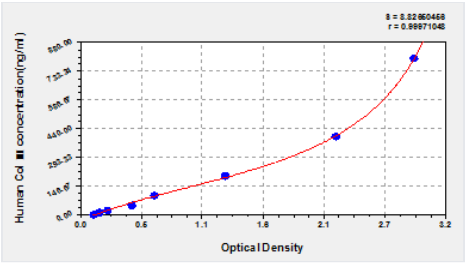
Collagen Type III, Col III (COL III) ELISA Kit for Human

PRODUCT OVERVIEW

Product Name	Collagen Type III, Col III, ELISA Kit
Full Product Name	Human Collagen Type III, Col III ELISA Kit
Product Gene Name	Col III elisa kit
Product Synonym Names	Human Collagen Type III; Col III ELISA KIT; Collagen Type III; Col III
Species Reactivity	Human
Assay Type	Sandwich
Samples	Serum, plasma, tissue homogenates
Detection Range	12.5 ng/ml -800 ng/ml.
Sensitivity	The minimum detectable dose of human Col III is typically less than 3.12 ng/ml. The sensitivity of this assay, or Lower Limit of Detection (LLD) was defined as the lowest protein concentration that could be differentiated from zero. It was determined the mean O.D value of 20 replicates of the zero standard added by their three standard deviations.
Specificity	This assay has high sensitivity and excellent specificity for detection of human Col III. No significant cross-reactivity or interference between human Col III and analogues was observed.
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.
Inter-assay Precision	Inter-assay Precision (Precision between assays): CV%<10%. Three samples of known concentration were tested in twenty assays to assess.
Intra-assay Precision	Intra-assay Precision (Precision within an assay): CV%<8%. Three samples of known concentration were tested twenty times on one plate to assess.
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for Col III elisa kit	**Principle of the assay:** This assay employs the quantitative sandwich enzyme immunoassay technique. Antibody specific for Col III has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any Col III present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for Col III is added to the wells. After washing, avidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of Col III bound in the initial step. The color development is stopped and the intensity of the color is measured.
Other Notes	Small volumes of Col III elisa kit vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for Col III purchase	MBS705177 is a ready-to-use microwell, strip plate ELISA (enzyme-linked immunosorbent assay) Kit for analyzing the presence of the Collagen Type III, Col III, ELISA Kit target analytes in biological samples. The concentration gradients of the kit standards or positive controls render a theoretical kit detection range in biological research samples containing Col III. The ELISA analytical biochemical technique of the MBS705177 kit is based on Col III antibody-Col III antigen interactions (immunosorbency) and an HRP colorimetric detection system to detect Col III antigen targets in samples. The ELISA Kit is designed to detect native, not recombinant, Col III. Appropriate sample types may include undiluted body fluids and/or tissue homogenates, secretions. Quality control assays assessing reproducibility identified the intra-assay CV (%) and inter-assay CV(%).



Typical Testing Data/Standard Curve (for reference only) of Col III elisa kit

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

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Online datasheet: https://www.mybiosource.com/human-elisa-kits/collagen-type-iii-col-iii/705177