

Human Collagen Type XIII (COL13) ELISA Kit | COL13 elisa kit

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CATALOG #
AAA64682

REACTIVITY
Human

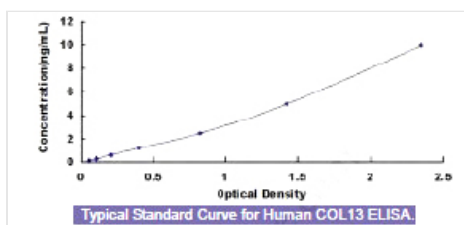
PRODUCT SYNONYMS

Collagen Type XIII (COL13); Human Collagen Type XIII (COL13) ELISA Kit; COL13A1; COL13-A1; Collagen Alpha-1(XIII)chain; COL13 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of COL13. No significant cross-reactivity or interference between COL13 and analogues was observed.
Sequence Length	717
Samples	Tissue homogenates, cell lysates and other biological fluids.
Assay Type	Sandwich
Detection Range	0.156-10ng/mL
Sensitivity	0.053ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level COL13 were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level COL13 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for COL13 elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of COL13 in human tissue homogenates, cell lysates and other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to COL13. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to COL13. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain COL13, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm +/- 10nm. The concentration of COL13 in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	194294532
NCBI GeneID	1305
NCBI Accession #	NP_001123575.1
NCBI GenBank Nucleotide #	NM_001130103.1
UniProt Accession #	Q5TAT6; Q13992; Q13993; Q13994; Q13995; Q13996; Q5TAT4; Q5TAT5; Q7KZ33; A6NFR5; B9EGD2; E7EWL8
Molecular Weight	59,465 Da
NCBI Official Full Name	collagen alpha-1(XIII) chain isoform 1
NCBI Official Synonym Full Names	collagen type XIII alpha 1 chain
NCBI Official Symbol	COL13A1
NCBI Official Synonym Symbols	CMS19; COLXIIIA1
NCBI Protein Information	collagen alpha-1(XIII) chain
UniProt Protein Name	Collagen alpha-1(XIII) chain
UniProt Gene Name	COL13A1

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.