

Human Collagen alpha-1(III) chain ELISA Kit | COL3A1 elisa kit

Human Collagen alpha-1(III) chain ELISA Kit

CATALOG #
AAA190788

REACTIVITY
Human

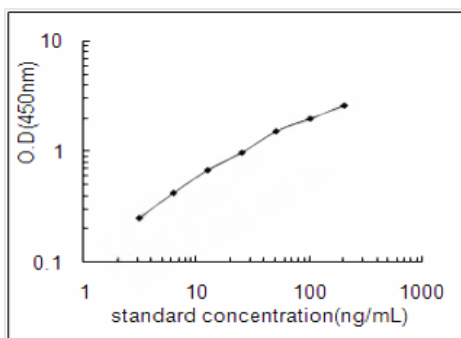
PRODUCT SYNONYMS

Collagen alpha-1(III) chain; Human Collagen alpha-1(III) chain ELISA Kit; COL3A1; COL3A1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay recognizes recombinant and natural human collagen alpha-1 (III) chain. No significant cross-reactivity or interference was observed.
Sequence Length	1466
Assay Type	Sandwich
Detection Range	3.12-200 ng/mL
Sensitivity	1.2ng/mL
Intra-Assay CV	<=5.9%
Inter-Assay CV	<=8.5%
Recovery	97%
Preparation and Storage	For long term storage, please store the entire kit at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for COL3A1 elisa kit	Intended Uses: This immunoassay kit allows for the in vitro quantitative determination of human collagen alpha-1 (iii) chain, collagen alpha-1 (III) chain concentrations in serum, Plasma, Urine, tissue homogenates and Cell culture supernates and Other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to Collagen alpha-1(III) chain. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific for Collagen alpha-1(III) chain and Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. Then a TMB substrate solution is added to each well. Only those wells that contain Collagen alpha-1(III) chain, 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 Collagen alpha-1(III) chain in the samples is then determined by comparing the O.D. of the samples to the standard curve.
--	---

NCBI AND UNIPROT INFORMATION

NCBI GI #	4502951
NCBI GeneID	1281
NCBI Accession #	NP_000081.1
NCBI GenBank Nucleotide #	NM_000090.3
UniProt Accession #	P02461; P78429; Q15112; Q16403; Q53S91; Q541P8; Q6LDB3; Q6LDJ2; Q6LDJ3; Q7KZ56; D2JYH5; D3DPH4
Molecular Weight	111,907 Da
NCBI Official Full Name	collagen alpha-1(III) chain preproprotein
NCBI Official Synonym Full Names	collagen type III alpha 1
NCBI Official Symbol	COL3A1
NCBI Official Synonym Symbols	EDS4A
NCBI Protein Information	collagen alpha-1(III) chain
UniProt Protein Name	Collagen alpha-1(III) chain
UniProt Gene Name	COL3A1
UniProt Entry Name	CO3A1_HUMAN

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.