

Human collagen, type I, alpha 2 ELISA Kit | COL1A2 elisa kit

Human Collagen alpha-2 (I) chain, COL1A2 ELISA Kit

CATALOG #
AAA112759

REACTIVITY
Human

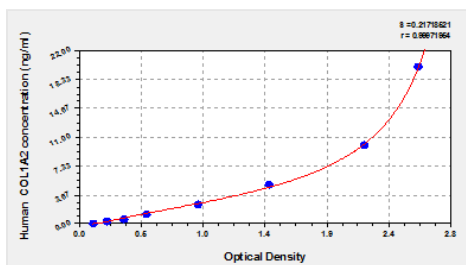
PRODUCT SYNONYMS

collagen; type I; alpha 2; Human Collagen alpha-2 (I) chain; COL1A2 ELISA Kit; Human Collagen alpha-2 (I) chain (COL1A2) ELISA kit; OI4; alpha 2 type I collagen; alpha 2 (I) -collagen; collagen I; alpha-2 polypeptide; collagen of skin; tendon and bone; alpha-2 chain; type I procollagen; COL1A2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Human COL1A2. No significant cross-reactivity or interference between Human COL1A2 and analogues was observed.
Sequence Length	1,366
Samples	Serum, plasma, tissue homogenates
Assay Type	Sandwich
Detection Range	0.312 ng/ml-20 ng/ml
Sensitivity	0.078 ng/ml
Intra-assay Precision	Intra-assay Precision (Precision within an assay): CV% is less than 8% Three samples of known concentration were tested twenty times on one plate to assess. Inter-assay Precision (Precision between assays): CV% is less than 10% Three samples of known concentration were tested in twenty assays to assess.
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 COL1A2 elisa kit	Principle of the Assay: This assay employs the quantitative sandwich enzyme immunoassay technique. Antibody specific for COL1A2 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any COL1A2 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for COL1A2 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 COL1A2 bound in the initial step. The color development is stopped and the intensity of the color is measured.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	48762934
NCBI GeneID	1278
NCBI Accession #	NP_000080.2
NCBI GenBank Nucleotide #	NM_000089.3
UniProt Accession #	P08123; P02464; Q13897; Q13997; Q13998; Q14038; Q14057; Q15177; Q15947; Q16480; Q16511; Q7Z5S6
Molecular Weight	129,314 Da
NCBI Official Full Name	collagen alpha-2(I) chain
NCBI Official Synonym Full Names	collagen, type I, alpha 2
NCBI Official Symbol	COL1A2
NCBI Official Synonym Symbols	OI4
NCBI Protein Information	collagen alpha-2(I) chain; collagen alpha-2(I) chain; type I procollagen; alpha 2(I)-collagen; alpha-2 type I collagen; collagen I, alpha-2 polypeptide; collagen of skin, tendon and bone, alpha-2 chain
UniProt Protein Name	Collagen alpha-2(I) chain
UniProt Gene Name	COL1A2
UniProt Entry Name	CO1A2_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.