

Human collagen, type VI, alpha 1 ELISA Kit | COL6A1 elisa kit

Human Collagen Type VI, COLVI ELISA Kit

CATALOG #
AAA15835

REACTIVITY
Human

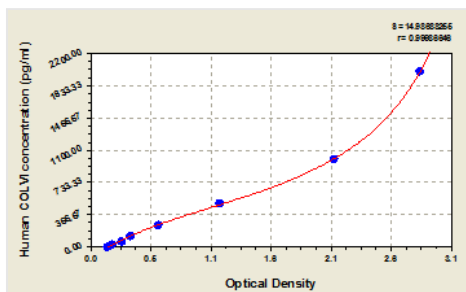
PRODUCT SYNONYMS

collagen; type VI; alpha 1; Human Collagen Type VI; COLVI ELISA Kit; Human Collagen Type VI (COLVI) ELISA Kit; OPLL; alpha 1 (VI) chain (61 AA) ; collagen VI; alpha-1 polypeptide; COL6A1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of human COLVI. No significant cross-reactivity or interference between human COLVI and analogues was observed.
Sequence Length	1028
Assay Type	Quantitative Sandwich
Samples	Serum, plasma, cell culture supernates, urine
Detection Range	31.25 pg/ml-2000 pg/ml
Sensitivity	< 7.81 pg/ml
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.
Inter-assay Precision	Inter-assay Precision (Precision between assays): CV%<10%. Three samples of known concentration were tested in twenty assays to assess.
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 COL6A1 elisa kit	Principle of the Assay: This assay employs the quantitative sandwich enzyme immunoassay technique. Antibody specific for COLVI has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any COLVI present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for COLVI 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 COLVI 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 #	87196339
NCBI GeneID	1291
NCBI Accession #	NP_001839.2
NCBI GenBank Nucleotide #	NM_001848.2
UniProt Accession #	P12109; O00117; O00118; Q14040; Q14041; Q16258; Q7Z645; Q9BSA8
Molecular Weight	108,529 Da
NCBI Official Full Name	collagen alpha-1(VI) chain
NCBI Official Synonym Full Names	collagen, type VI, alpha 1
NCBI Official Symbol	COL6A1
NCBI Official Synonym Symbols	OPLL
NCBI Protein Information	collagen alpha-1(VI) chain; collagen alpha-1(VI) chain; alpha 1 (VI) chain (61 AA); collagen VI, alpha-1 polypeptide
UniProt Protein Name	Collagen alpha-1(VI) chain
UniProt Gene Name	COL6A1
UniProt Entry Name	CO6A1_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/col6a1-human-elisa-kits/collagen-type-vi-alpha-1/15835>