

Human Collagen Type XI Alpha 1 ELISA Kit | COL11alpha1 elisa kit

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CATALOG #
AAA100246

REACTIVITY
Human

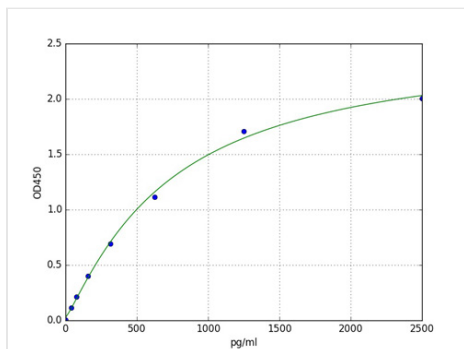
PRODUCT SYNONYMS

Collagen Type XI Alpha 1; Human Collagen Type XI Alpha 1 ELISA Kit; COL11alpha1/COL11A1/CO11A1/COLL6/STL2; COL11alpha1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Sequence Length	1767
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	39.063-2500pg/ml
Sensitivity	23.438pg/ml
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES



Standard Curve (Sample)

Typical Data & Standard Curve

Results of a typical standard run of a Human COL11α 1 ELISA Kit are shown below. This standard curve was generated at our lab for demonstration purpose only. Each user should obtain their own standard curve as per experiment. (N/A=not applicable)

X	pg/ml	0	39.1	78.125	156.25	312.5	625	1250	2500
Y	OD450	0.041	0.078	0.144	0.239	0.476	0.878	1.523	2.493

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for COL11alpha1 elisa kit

Principle of the Assay||This kit was based on sandwich enzyme-linked immune-sorbent assay technology. anti-Human COL11alpha1 antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-Human COL11alpha1 antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and wash with wash buffer. HRP-Streptavidin was added and unbound conjugates were washed away with wash buffer. TMB substrates were used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the Human COL11alpha1 amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of Human COL11alpha1 can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #	6165881
NCBI GeneID	1301
Molecular Weight	167,752 Da
NCBI Official Full Name	collagen type XI alpha-1
NCBI Official Synonym Full Names	collagen type XI alpha 1
NCBI Official Symbol	COL11A1
NCBI Official Synonym Symbols	STL2; COLL6; CO11A1
NCBI Protein Information	collagen alpha-1(XI) chain
UniProt Protein Name	Collagen alpha-1(XI) chain
UniProt Gene Name	COL11A1
UniProt Synonym Gene Names	COLL6
UniProt Entry Name	COBA1_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.

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Online datasheet: <https://stage.aaabiotech.com/col11alpha1-human-elisa-kits/collagen-type-xi-alpha-1/100246>