

Rat Collagen Type XI Alpha 1 ELISA Kit | COL11a1 elisa kit

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CATALOG #
AAA86454

REACTIVITY
Rat

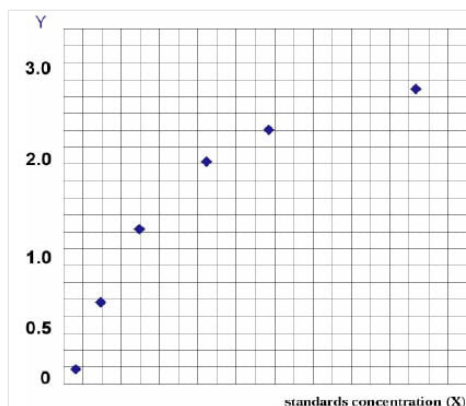
PRODUCT SYNONYMS

Collagen Type XI Alpha 1; Rat Collagen Type XI Alpha 1 ELISA Kit; COL11a1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	10-250ng/mL
Sensitivity	1.0ng/ml
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for COL11a1 elisa kit	Intended Uses: This COL11A1 ELISA kit is intended Laboratory for research use only.The Stop Solution changes the color from blue to yellow and the intensity of the color is measured at 450 nm using a spectrophotometer. In order to measure the concentration ofCOL11A1 in the sample, thisCOL11A1 ELISA Kit includes a set of calibration standards. The calibration standards are assayed at the same time as the samples and allow the operator to produce a standard curve of Optical Density versusCOL11A1 concentration. The concentration ofCOL11A1 in the samples is then determined by comparing the O.D. of the samples to the standard curve. Principle of the Assay: This COL11A1 enzyme linked immunosorbent assay applies a technique called a quantitative sandwich immunoassay. The microtiter plate provided in this kit has been pre-coated with a monoclonal antibody specific forCOL11A1. Standards or samples are then added to the microtiter plate wells andCOL11A1 if present, will bind to the antibody pre-coated wells. In order to quantitatively determine the amount ofCOL11A1 present in the sample, a standardized preparation of horseradish peroxidase (HRP)-conjugated polyclonal antibody, specific forCOL11A1 are added to each well to "sandwich" theCOL11A1 immobilized on the plate. The microtiter plate undergoes incubation, and then the wells are thoroughly washed to remove all unbound components. Next, A and B substrate solution is added to each well. The enzyme (HRP) and substrate are allowed to react over a short incubation period.Only those wells that containCOL11A1 and enzyme-conjugated antibody will exhibit a change in colour. The enzyme-substrate reaction is terminated by the addition of a sulphuric acid solution and the colour change is measured spectrophotometrically at a wavelength of 450 nm.
Product Categories/Family for COL11a1 elisa kit	Cell Biology

NCBI AND UNIPROT INFORMATION

NCBI GI #	299523257
NCBI GeneID	1301
NCBI Accession #	NP_001177638.1
NCBI GenBank Nucleotide #	NM_001190709.1
Molecular Weight	167,752 Da
NCBI Official Full Name	collagen alpha-1(XI) chain isoform E preproprotein
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; collagen alpha-1(XI) chain; collagen XI, alpha-1 polypeptide
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/col11a1-rat-elisa-kits/collagen-type-xi-alpha-1/86454>