

Human Collagen Type XIX ELISA Kit | COL19 elisa kit

Human Collagen Type XIX (COL19) (Sandwich ELISA) ELISA Kit

CATALOG #
AAA190019

REACTIVITY
Human

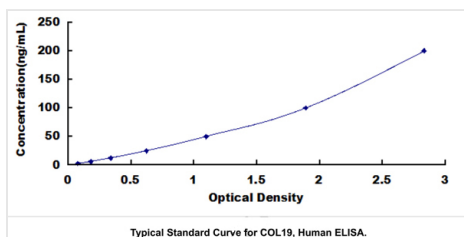
PRODUCT SYNONYMS

Collagen Type XIX; Human Collagen Type XIX (COL19) (Sandwich ELISA) ELISA Kit; COL19-A1; COL9A1L; COL19A1; Collagen Alpha-1(XIX)chain; Collagen alpha-1(Y) chain; ELISA Kit for Collagen Type XIX (COL19); COL19 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of COL19. No significant cross-reactivity or interference between COL19 and analogues was observed.
Assay Type	Quantitative Sandwich
Samples	Human serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids
Detection Range	3.12-200ng/mL
Sensitivity	< 1.19ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level COL19 were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level COL19 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	4 degree C for 1 month/ -20 degree C for long-term(within shelf life). Shelf life is one year

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for COL19 elisa kit	Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to COL19. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to COL19. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain COL19, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm ± 10nm. The concentration of COL19 in the samples is then determined by comparing the O.D. of the samples to the standard curve. Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of COL19 in human serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids.
Product Categories/Family for COL19 elisa kit	Metabolic pathway

NCBI AND UNIPROT INFORMATION

NCBI GI #	47778921
NCBI GeneID	1310
NCBI Accession #	NP_001849.2
NCBI GenBank Nucleotide #	NM_001858.4
UniProt Accession #	Q14993; Q00559; Q05850; Q12885; Q13676; Q14DH1; Q5JUF0; Q5T424; Q9H572; Q9NPZ2; Q9NQP2
Molecular Weight	115,221 Da
NCBI Official Full Name	collagen alpha-1(XIX) chain
NCBI Official Synonym Full Names	collagen, type XIX, alpha 1
NCBI Official Symbol	COL19A1
NCBI Official Synonym Symbols	COL9A1L; D6S228E
NCBI Protein Information	collagen alpha-1(XIX) chain; collagen alpha-1(XIX) chain; collagen alpha-1(Y) chain; collagen alpha 1 (Y) chain; a1 chain of type XIX collagen; collagen XIX, alpha-1 polypeptide
UniProt Protein Name	Collagen alpha-1(XIX) chain
UniProt Gene Name	COL19A1
UniProt Entry Name	COJA1_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.