

Goat Collagen Type III Alpha 1 ELISA Kit | COL3a1 elisa kit

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CATALOG #
AAA90732

REACTIVITY
Goat

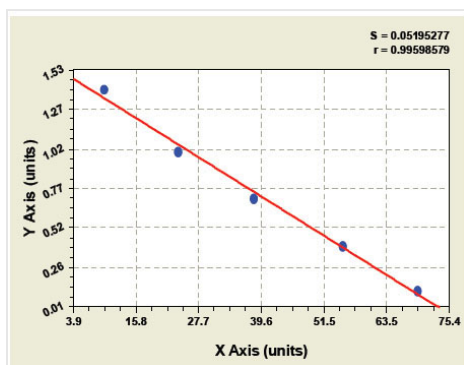
PRODUCT SYNONYMS

Collagen Type III Alpha 1; Goat Collagen Type III Alpha 1 ELISA Kit; COL3a1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Goat
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Sensitivity	0.1 ng/mL.
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for COL3a1 elisa kit

For samples: Serum, plasma, cell culture supernatants, body fluid and tissue homogenate

INTENDED USE This COL3a1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Goat COL3a1. This ELISA kit for research use only!

PRINCIPLE OF THE ASSAY COL3a1 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-COL3a1 antibody and an COL3a1-HRP conjugate. The assay sample and buffer are incubated together with COL3a1-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the COL3a1 concentration since COL3a1 from samples and COL3a1-HRP conjugate compete for the anti-COL3a1 antibody binding site. Since the number of sites is limited, as more sites are occupied by COL3a1 from the sample, fewer sites are left to bind COL3a1-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The COL3a1 concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	119631316
NCBI GeneID	1281
Molecular Weight	111,907 Da
NCBI Official Full Name	collagen, type III, alpha 1 (Ehlers-Danlos syndrome type IV, autosomal dominant), isoform CRA_b
NCBI Official Synonym Full Names	collagen, type III, alpha 1
NCBI Official Symbol	COL3A1
NCBI Official Synonym Symbols	EDS4A
NCBI Protein Information	collagen alpha-1(III) chain; collagen alpha-1(III) chain; collagen, fetal; alpha1 (III) collagen; Ehlers-Danlos syndrome type IV, autosomal dominant
UniProt Protein Name	Collagen alpha-1(III) chain
UniProt Gene Name	COL3A1
UniProt Entry Name	CO3A1_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.