

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

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CATALOG #
AAA88335

REACTIVITY
Chicken

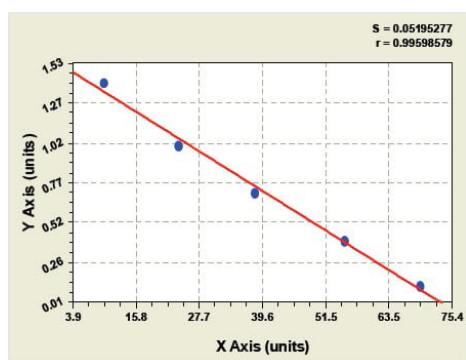
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Chicken
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Sensitivity	0.1 ng/mL.
Intended Uses	This COL3a1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Chicken COL3a1. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for COL3a1 elisa kit

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.

Product Categories/Family for COL3a1 elisa kit

[Epigenetics and Nuclear Signaling](#)

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.

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Online datasheet: <https://stage.aaabiotech.com/col3a1-chicken-elisa-kits/collagen-type-iii-alpha-1/88335>