

Canine Collagen Type III ELISA Kit | COLIII elisa kit

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CATALOG #
AAA91557

REACTIVITY
Canine

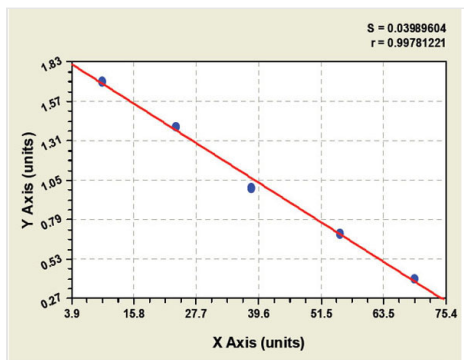
PRODUCT SYNONYMS

Collagen Type III; Canine Collagen Type III ELISA Kit; COLIII elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Canine
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	50-1000ng/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 COLIII elisa kit	For samples: Serum, plasma, cell culture supernatants, body fluid and tissue homogenate INTENDED USE This COL3 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Canine COL3. This ELISA kit for research use only! PRINCIPLE OF THE ASSAY COL3 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-COL3 antibody and an COL3-HRP conjugate. The assay sample and buffer are incubated together with COL3-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 COL3 concentration since COL3 from samples and COL3-HRP conjugate compete for the anti-COL3 antibody binding site. Since the number of sites is limited, as more sites are occupied by COL3 from the sample, fewer sites are left to bind COL3-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The COL3 concentration in each sample is interpolated from this standard curve.
Product Categories/Family for COLIII elisa kit	Cell Biology

NCBI AND UNIPROT INFORMATION

NCBI GI #	494319369
Molecular Weight	111,907 Da
NCBI Official Full Name	collagen type III alpha 1
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/coliii-canine-elisa-kits/collagen-type-iii/91557>