

Bovine Collagen Type III ELISA Kit | COL3 elisa kit

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CATALOG #
AAA91078

REACTIVITY
Bovine

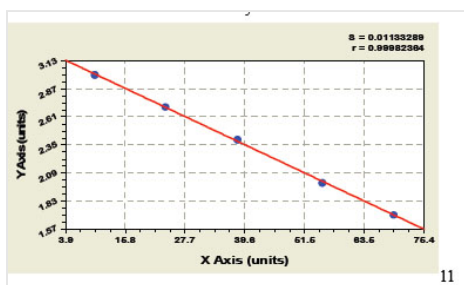
PRODUCT SYNONYMS

Collagen Type III; Bovine Collagen Type III ELISA Kit; COL3 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Bovine
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Sensitivity	1.0 ng/mL.
Intended Uses	This CoL-3 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Bovine CoL-3. 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 COL3 elisa kit

Principle of the assay: CoL-3 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-CoL-3 antibody and an CoL-3-HRP conjugate. The assay sample and buffer are incubated together with CoL-3-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 CoL-3 concentration since CoL-3 from samples and CoL-3-HRP conjugate compete for the anti-CoL-3 antibody binding site. Since the number of sites is limited, as more sites are occupied by CoL-3 from the sample, fewer sites are left to bind CoL-3-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The CoL-3 concentration in each sample is interpolated from this standard curve.

Product Categories/Family for COL3 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/col3-bovine-ovine-elisa-kits/collagen-type-iii/91078>