

Sheep Collagen Type III ELISA Kit | COL3 elisa kit

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CATALOG #
AAA90284

REACTIVITY
Sheep

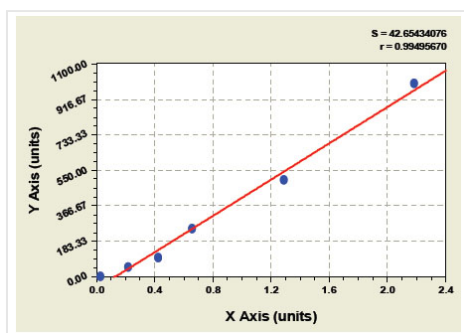
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Sheep
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Sandwich
Sensitivity	1.0 ng/mL.
Intended Uses	This COL3 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Sheep COL3. 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: COL3 ELISA kit applies the quantitative sandwich enzyme immunoassay technique. The microtiter plate has been pre-coated with a monoclonal antibody specific for COL3. Standards or samples are then added to the microtiter plate wells and COL3 if present, will bind to the antibody pre-coated wells. In order to quantitatively determine the amount of COL3 present in the sample, a standardized preparation of horseradish peroxidase (HRP) -conjugated polyclonal antibody, specific for COL3 are added to each well to "sandwich" the COL3 immobilized on the plate. The microtiter plate undergoes incubation, and then the wells are thoroughly washed to remove all unbound components. Next, substrate solutions are added to each well. The enzyme (HRP) and substrate are allowed to react over a short incubation period. Only those wells that contain COL3 and enzyme-conjugated antibody will exhibit a change in color. The enzyme-substrate reaction is terminated by addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm. 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 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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/col3-sheep-elisa-kits/collagen-type-iii/90284>