

Goat Collagen Type IV ELISA Kit | COL4 elisa kit

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CATALOG #
AAA90426

REACTIVITY
Goat

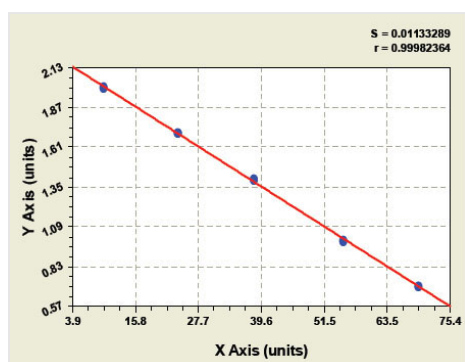
PRODUCT SYNONYMS

Collagen Type IV; Goat Collagen Type IV ELISA Kit; COL4 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Goat
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Sensitivity	1.0 ng/mL.
Intended Uses	This COL4 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Goat COL4. 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 COL4 elisa kit

Principle of the Assay: COL4 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-COL4 antibody and an COL4-HRP conjugate. The assay sample and buffer are incubated together with COL4-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 COL4 concentration since COL4 from samples and COL4-HRP conjugate compete for the anti-COL4 antibody binding site. Since the number of sites is limited, as more sites are occupied by COL4 from the sample, fewer sites are left to bind COL4-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The COL4 concentration in each sample is interpolated from this standard curve.

Product Categories/Family for COL4 elisa kit

Cell Biology

NCBI AND UNIPROT INFORMATION

NCBI GI #	119629513
NCBI GeneID	1282
Molecular Weight	127,981 Da
NCBI Official Full Name	collagen, type IV, alpha 1, isoform CRA_a
NCBI Official Synonym Full Names	collagen, type IV, alpha 1
NCBI Official Symbol	COL4A1
NCBI Official Synonym Symbols	ICH; HANAC; POREN1; arresten
NCBI Protein Information	collagen alpha-1(IV) chain; collagen alpha-1(IV) chain; COL4A1 NC1 domain; collagen IV, alpha-1 polypeptide; collagen of basement membrane, alpha-1 chain
UniProt Protein Name	Collagen alpha-1(IV) chain
UniProt Gene Name	COL4A1
UniProt Entry Name	CO4A1_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/col4-goat-elisa-kits/collagen-type-iv/90426>