

Human Collagen Alpha 4 (IV) chain (COL4A4) ELISA Kit | COL4A4 elisa kit

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CATALOG #
AAA247072

REACTIVITY
Human

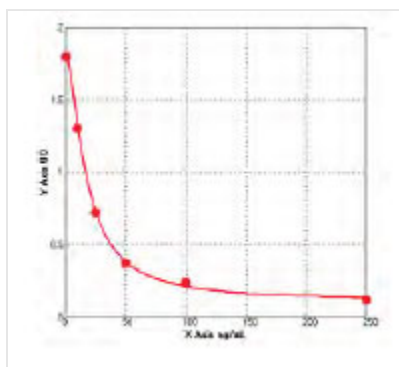
PRODUCT SYNONYMS

Collagen Alpha 4 (IV) chain (COL4A4); Human Collagen Alpha 4 (IV) chain (COL4A4) ELISA Kit; COL4A4 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Serum, Plasma, Cell Culture Supernatants, Body Fluid And Tissue Homogenate
Assay Type	Quantitative Competitive
Sensitivity	1.0 ng/mL.
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for COL4A4 elisa kit

Intended Uses: This COL4 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Porcine COL4. This ELISA kit for research use only!

Principle of the Assay: COL4 ELISA kit applies the competitive enzyme immunoassay technique utilizing an 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 COL4A4 elisa kit

[Signal Transduction](#)

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://www.aaabiotech.com/human-elisa-kits/collagen-alpha-4-iv-chain-col4a4/247072>