

Human Collagen Type I Antibody ELISA Kit

Human Anti-Collagen Type I Antibody ELISA Kit

CATALOG # AAA27482	REACTIVITY Human	APPLICATIONS ELISA
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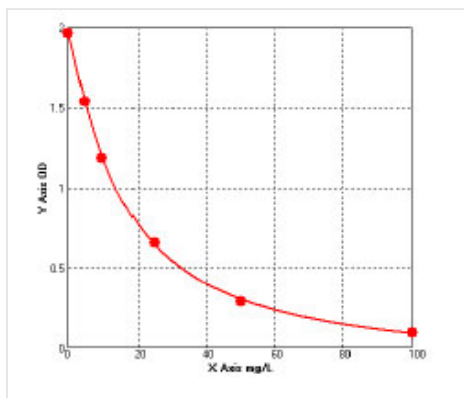
PRODUCT SYNONYMS

Collagen Type I Antibody; Human Anti-Collagen Type I Antibody ELISA Kit; Anti-COL1; Collagen Type I Antibody elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of COL1Ab. No significant cross-reactivity or interference between COL1Ab and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between COL1Ab and all the analogues, therefore, cross reaction may still exist in some cases.
Assay Type	Quantitative Competitive
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Sensitivity	1.0 mg/L
Applicable Applications for Collagen Type I Antibody elisa kit	ELISA
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for Collagen Type I Antibody elisa kit	Principle of the Assay: COL1Ab ELISA kit applies the competitive enzyme immunoassay technique utilizing Collagen Type 1 antigen and an COL1Ab-HRP conjugate. The assay sample and buffer are incubated together with COL1Ab-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 COL1Ab concentration since COL1Ab from samples and COL1Ab-HRP conjugate compete for the Collagen Type 1 antigen binding site. Since the number of sites is limited, as more sites are occupied by COL1Ab from the sample, fewer sites are left to bind COL1Ab-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The COL1Ab concentration in each sample is interpolated from this standard curve. Intended Uses: This COL1Ab ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human COL1Ab. This ELISA kit for research use only, not for therapeutic or diagnostic applications!
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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/human-elisa-kits/collagentypeiantibody/27482>