

Mouse Collagen Type I ELISA Kit | COL1 elisa kit

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CATALOG #
AAA16214

REACTIVITY
Mouse

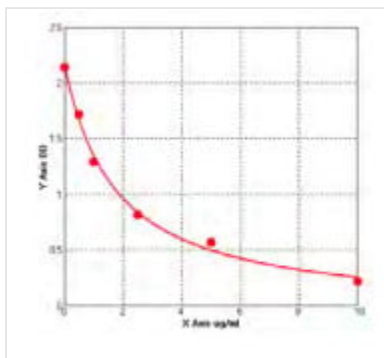
PRODUCT SYNONYMS

Collagen Type I; Mouse Collagen Type I ELISA Kit; COL1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of COL1. No significant cross-reactivity or interference between COL1 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between COL1 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	0.1 ug/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for COL1 elisa kit	Principle of the Assay: COL1 ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-COL1 antibody and an COL1-HRP conjugate. The assay sample and buffer are incubated together with COL1-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 COL1 concentration since COL1 from samples and COL1-HRP conjugate compete for the anti-COL1 antibody binding site. Since the number of sites is limited, as more sites are occupied by COL1 from the sample, fewer sites are left to bind COL1-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The COL1 concentration in each sample is interpolated from this standard curve. Intended Uses: This COL1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Mouse COL1. This ELISA kit for research use only, not for therapeutic or diagnostic applications!
Product Categories/Family for COL1 elisa kit	Cell Biology

NCBI AND UNIPROT INFORMATION

NCBI GI #	194244922
Molecular Weight	37,852 Da
NCBI Official Full Name	COL1, partial
UniProt Protein Name	COL1
UniProt Gene Name	COL1
UniProt Entry Name	B4YVJ5_BRANI

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/col1-mouse-elisa-kits/collagen-type-i/16214>