

Horse Collagen Type I (COL1) ELISA Kit | COL1 elisa kit

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CATALOG #
AAA148392

REACTIVITY
Horse

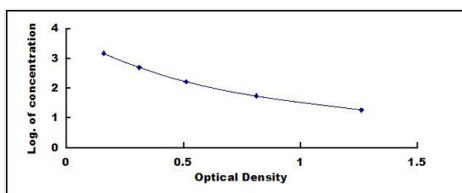
PRODUCT SYNONYMS

Collagen Type I (COL1); Horse Collagen Type I (COL1) ELISA Kit; COL1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Horse
Specificity	This assay has high sensitivity and excellent specificity for detection of Collagen Type I (COL1). No significant cross-reactivity or interference between Collagen Type I (COL1) and analogues was observed.
Assay Type	Competitive Inhibition
Samples	Serum, Plasma, Tissue homogenates, Cell lysates, Cell culture supernates and other biological fluids
Detection Range	18.52-1,500ng/mL
Sensitivity	7.15ng/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Collagen Type I (COL1) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Collagen Type I (COL1) were tested on 3 different plates, 8 replicates in each plate.
CV(%) =	SD/meanX100
Intra-Assay	CV<10%
Inter-Assay	CV<12%
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for COL1 elisa kit	This assay employs the competitive inhibition enzyme immunoassay technique. A monoclonal antibody specific to Collagen Type I (COL1) has been pre-coated onto a microplate. A competitive inhibition reaction is launched between biotin labeled Collagen Type I (COL1) and unlabeled Collagen Type I (COL1) (Standards or samples) with the pre-coated antibody specific to Collagen Type I (COL1). After incubation the unbound conjugate is washed off. Next, avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. The amount of bound HRP conjugate is reverse proportional to the concentration of Collagen Type I (COL1) in the sample. After addition of the substrate solution, the intensity of color developed is reverse proportional to the concentration of Collagen Type I (COL1) in the sample.
Product Categories/Family for COL1 elisa kit	Metabolic pathway; Developmental science; Bone metabolism

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/horse-elisa-kits/collagen-type-i-col1/148392>