

# Human COL1alpha1 (Collagen Type I Alpha 1) CLIA Kit | COL1a1 clia kit

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CATALOG #  
**AAA171136**

REACTIVITY  
**Human**

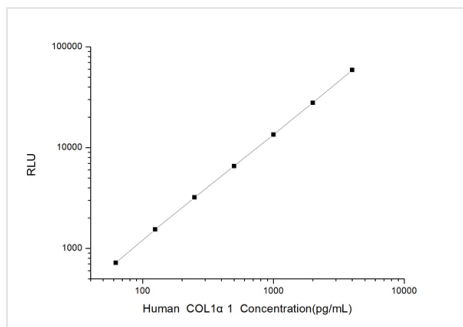
## PRODUCT SYNONYMS

COL1alpha1 (Collagen Type I Alpha 1); Human COL1alpha1 (Collagen Type I Alpha 1) CLIA Kit; Human COL1a1 (Collagen Type I Alpha 1) CLIA Kit; Human COL1a1; COL1a1 clia kit

## PRODUCT SPECIFICATIONS

|                 |                                                                                                                                                        |
|-----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity      | Human                                                                                                                                                  |
| Specificity     | This kit recognizes natural and recombinant COL1alpha1. No significant cross-reactivity or interference between COL1alpha1 and analogues was observed. |
| Assay Type      | Sandwich                                                                                                                                               |
| Detection Range | 62.5-4000pg/mL                                                                                                                                         |
| Sensitivity     | Min: 37.5pg/mL; Max: 4000pg/mL                                                                                                                         |

## IMAGES



Standard Curve (Sample)

## ADDITIONAL INFORMATION

### Related Product Information for COL1a1 clia kit

**Intended Uses:** This CLIA kit applies to the in vitro quantitative determination of COL1alpha1 concentrations in serum, plasma and other biological fluids.

**Principle of the Assay:** This kit uses Sandwich-CLIA as the method. The micro CLIA plate provided in this kit has been pre-coated with an antibody specific to COL1alpha1. Standards or samples are added to the appropriate micro CLIA plate wells and combined with the specific antibody. Then a biotinylated detection antibody specific for COL1alpha1 and Avidin-Horseradish Peroxidase (HRP) conjugate is added to each micro plate well successively and incubated. Free components are washed away. The substrate solution is added to each well. Only those wells that contain COL1alpha1, biotinylated detection antibody and Avidin-HRP conjugate will appear fluorescence. The Relative light unit (RLU) value is measured spectrophotometrically by the Chemiluminescence immunoassay analyzer. The RLU value is positively associated with the concentration of COL1alpha1. You can calculate the concentration of COL1alpha1 in the samples by comparing the RLU value of the samples to the standard curve.

**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.

