

## Human Collagenase Type II ELISA Kit | COL1A1 elisa kit

Human Collagenase Type II ELISA Kit

CATALOG #  
**AAA53210**

REACTIVITY  
**Human**

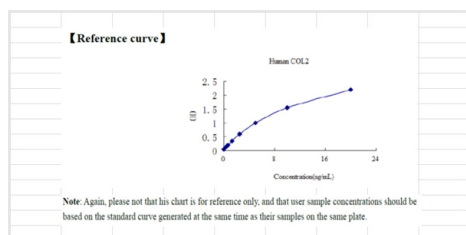
### PRODUCT SYNONYMS

Collagenase Type II; Human Collagenase Type II ELISA Kit; COL1A1 elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                       |
|-------------------------|---------------------------------------|
| Reactivity              | Human                                 |
| Specificity             | No cross-reaction with other factors. |
| Sequence Length         | 1464                                  |
| Assay Type              | Sandwich                              |
| Detection Range         | 20 ng/mL-0.312 ng/mL                  |
| Sensitivity             | Up to 0.06 ng/mL                      |
| Intra-assay Precision   | <= 8%                                 |
| Inter-assay Precision   | <= 12%                                |
| Preparation and Storage | Store all reagents at 2-8 degree C.   |

### IMAGES



Standard Curve (Sample)

### ADDITIONAL INFORMATION

#### Related Product Information for COL1A1 elisa kit

Principle of the Assay: As mentioned above, this kit utilizes the Double Antibody Sandwich ELISA technique. The pre-coated antibody is an anti-Human COL2 monoclonal antibody, while the detection antibody is a biotinylated polyclonal antibody. Samples and biotinylated antibodies are added into ELISA plate wells and washed out with PBS or TBS after their respective additions to the wells. Then Avidin-peroxidase conjugates are added to the wells in after. TMB substrate is used for coloration after the enzyme conjugate has already been thoroughly washed out of the wells by PBS or TBS. TMB reacts to form a blue product from the peroxidase activity, and finally turns to yellow after addition of the stop solution (Color Reagent C). The color intensity and quantity of target analyte in the sample are positively correlated.

### NCBI AND UNIPROT INFORMATION

NCBI GI #

[296439504](#)

|                                  |                                                                                                                                                                                                                                      |
|----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GeneID                      | <a href="#">1277</a>                                                                                                                                                                                                                 |
| Molecular Weight                 | 138,941 Da                                                                                                                                                                                                                           |
| NCBI Official Full Name          | Collagen alpha-1(I) chain                                                                                                                                                                                                            |
| NCBI Official Synonym Full Names | collagen, type I, alpha 1                                                                                                                                                                                                            |
| NCBI Official Symbol             | COL1A1                                                                                                                                                                                                                               |
| NCBI Official Synonym Symbols    | OI4                                                                                                                                                                                                                                  |
| NCBI Protein Information         | collagen alpha-1(I) chain; collagen alpha-1(I) chain; alpha-1 type I collagen; pro-alpha-1 collagen type 1; collagen alpha 1 chain type I; collagen alpha-1(I) chain preproprotein; collagen of skin, tendon and bone, alpha-1 chain |
| UniProt Protein Name             | Collagen alpha-1(I) chain                                                                                                                                                                                                            |
| UniProt Gene Name                | <b>COL1A1</b>                                                                                                                                                                                                                        |
| UniProt Entry Name               | CO1A1_HUMAN                                                                                                                                                                                                                          |

**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/collagenase-type-ii/53210>