

## Goat Collagen Type I ELISA Kit | COL1 elisa kit

Goat Collagen Type I ELISA Kit

CATALOG #  
**AAA90272**

REACTIVITY  
**Goat**

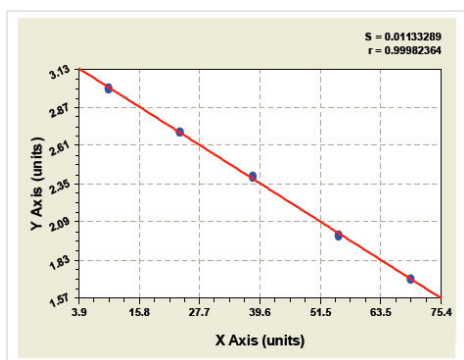
### PRODUCT SYNONYMS

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

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                       |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Goat                                                                                                                                                                                  |
| Samples                 | Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate                                                                                                            |
| Assay Type              | Competitive                                                                                                                                                                           |
| Sensitivity             | 1.0 ng/mL.                                                                                                                                                                            |
| Intended Uses           | This COL1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Goat COL1. This ELISA kit for research use only, not for therapeutic applications! |
| 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 monoclonal 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.

#### 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       | <b>COL1</b>   |
| 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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