

## Goat Collagen Type VII ELISA Kit | COL7 elisa kit

Goat Collagen Type VII ELISA Kit

CATALOG #  
**AAA90980**

REACTIVITY  
**Goat**

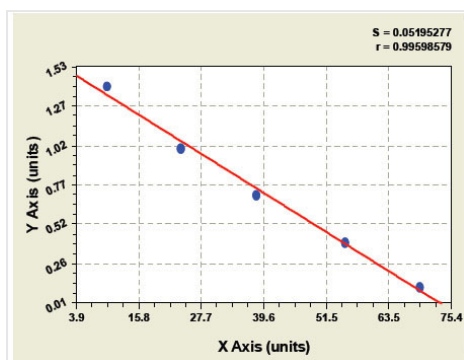
### PRODUCT SYNONYMS

Collagen Type VII; Goat Collagen Type VII ELISA Kit; COL7 elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                       |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Goat                                                                                                                                                                                  |
| Samples                 | Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate                                                                                                            |
| Assay Type              | Competitive                                                                                                                                                                           |
| Sensitivity             | 0.1 ng/mL.                                                                                                                                                                            |
| Intended Uses           | This COL7 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Goat COL7. 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 COL7 elisa kit

**Principle of the Assay:** COL7 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-COL7 antibody and an COL7-HRP conjugate. The assay sample and buffer are incubated together with COL7-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 COL7 concentration since COL7 from samples and COL7-HRP conjugate compete for the anti-COL7 antibody binding site. Since the number of sites is limited, as more sites are occupied by COL7 from the sample, fewer sites are left to bind COL7-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The COL7 concentration in each sample is interpolated from this standard curve.

#### Product Categories/Family for COL7 elisa kit

Cell Biology

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                               |
|----------------------------------|-------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 4502961                                                                                                                       |
| NCBI GeneID                      | 1294                                                                                                                          |
| NCBI Accession #                 | NP_000085.1                                                                                                                   |
| NCBI GenBank Nucleotide #        | NM_000094.3                                                                                                                   |
| Molecular Weight                 | 292,267 Da                                                                                                                    |
| NCBI Official Full Name          | collagen alpha-1(VII) chain                                                                                                   |
| NCBI Official Synonym Full Names | collagen, type VII, alpha 1                                                                                                   |
| NCBI Official Symbol             | COL7A1                                                                                                                        |
| NCBI Official Synonym Symbols    | EBD1; EBR1; EBDCT                                                                                                             |
| NCBI Protein Information         | collagen alpha-1(VII) chain; collagen alpha-1(VII) chain; LC collagen; long-chain collagen; collagen VII, alpha-1 polypeptide |
| UniProt Protein Name             | Collagen alpha-1(VII) chain                                                                                                   |
| UniProt Gene Name                | COL7A1                                                                                                                        |
| UniProt Synonym Gene Names       | LC collagen                                                                                                                   |
| UniProt Entry Name               | CO7A1_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/col7-goat-elisa-kits/collagen-type-vii/90980>