

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

Monkey Collagen Type VII ELISA Kit

CATALOG #  
**AAA92575**

REACTIVITY  
**Monkey**

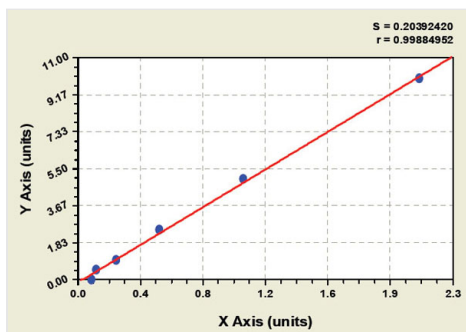
### PRODUCT SYNONYMS

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

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                             |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Monkey                                                                                                                                                                                      |
| Samples                 | Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate                                                                                                                  |
| Assay Type              | Sandwich                                                                                                                                                                                    |
| Detection Range         | 0.5-10ng/mL                                                                                                                                                                                 |
| Sensitivity             | 0.1ng/mL                                                                                                                                                                                    |
| Intended Uses           | This COLVII ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Monkey COLVII. This ELISA kit for research use only, not for therapeutic applications  |
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| Preparation and Storage | Store all reagents at 2-8 degree C.                                                                                                                                                         |

### IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

|                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for COL7 elisa kit | <b>Principle of the Assay:</b> COLVII ELISA kit applies the quantitative sandwich enzyme immunoassay technique. The microtiter plate has been pre-coated with a monoclonal antibody specific for COLVII. Standards or samples are then added to the microtiter plate wells and COLVII if present, will bind to the antibody pre-coated wells. In order to quantitatively determine the amount of COLVII present in the sample, a standardized preparation of horseradish peroxidase (HRP)-conjugated polyclonal antibody, specific for COLVII are added to each well to "sandwich" the COLVII immobilized on the plate. The microtiter plate undergoes incubation, and then the wells are thoroughly washed to remove all unbound components. Next, substrate solutions are added to each well. The enzyme (HRP) and substrate are allowed to react over a short incubation period. Only those wells that contain COLVII and enzyme-conjugated antibody will exhibit a change in color. The enzyme-substrate reaction is terminated by addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The COLVII 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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | [contact@aaabiotech.com](mailto:contact@aaabiotech.com)  
Online datasheet: <https://stage.aaabiotech.com/col7-monkey-elisa-kits/collagen-type-vii/92575>