

## Rat Collagen Type XVII ELISA Kit | COL17 elisa kit

Rat Collagen Type XVII ELISA Kit

CATALOG #  
**AAA85210**

REACTIVITY  
**Rat**

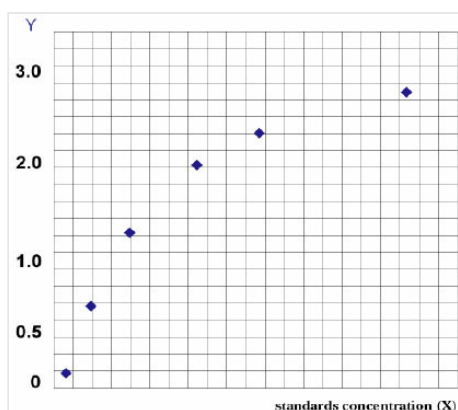
### PRODUCT SYNONYMS

Collagen Type XVII; Rat Collagen Type XVII ELISA Kit; COL17 elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                     |
|-------------------------|-------------------------------------|
| Reactivity              | Rat                                 |
| Assay Type              | Sandwich                            |
| Preparation and Storage | Store all reagents at 2-8 degree C. |

### IMAGES



Standard Curve (Sample)

### ADDITIONAL INFORMATION

#### Related Product Information for COL17 elisa kit

**Intended Uses:** This COL<sup>17</sup> ELISA kit is intended Laboratory for research use only. The Stop Solution changes the color from blue to yellow and the intensity of the color is measured at 450 nm using a spectrophotometer. In order to measure the concentration of COL<sup>17</sup> in the sample, this COL<sup>17</sup> ELISA Kit includes a set of calibration standards. The calibration standards are assayed at the same time as the samples and allow the operator to produce a standard curve of Optical Density versus COL<sup>17</sup> concentration. The concentration of COL<sup>17</sup> in the samples is then determined by comparing the O.D. of the samples to the standard curve.

**Principle of the Assay:** This COL<sup>17</sup> enzyme linked immunosorbent assay applies a technique called a quantitative sandwich immunoassay. The microtiter plate provided in this kit has been pre-coated with a monoclonal antibody specific for COL<sup>17</sup>. Standards or samples are then added to the microtiter plate wells and COL<sup>17</sup> if present, will bind to the antibody pre-coated wells. In order to quantitatively determine the amount of COL<sup>17</sup> present in the sample, a standardized preparation of horseradish peroxidase (HRP)-conjugated polyclonal antibody, specific for COL<sup>17</sup> are added to each well to "sandwich" the COL<sup>17</sup> immobilized on the plate. The microtiter plate undergoes incubation, and then the wells are thoroughly washed to remove all unbound components. Next, A and B substrate solution is added to each well. The enzyme (HRP) and substrate are allowed to react over a short incubation period. Only those wells that contain COL<sup>17</sup> and enzyme-conjugated antibody will exhibit a change in colour. The enzyme-substrate reaction is terminated by the addition of a sulphuric acid solution and the colour change is measured spectrophotometrically at a wavelength of 450 nm.

## NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                                                                                                                                                                                      |
|----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 119569999                                                                                                                                                                                                                                                                            |
| NCBI GeneID                      | 1308                                                                                                                                                                                                                                                                                 |
| Molecular Weight                 | 142,344 Da                                                                                                                                                                                                                                                                           |
| NCBI Official Full Name          | collagen, type XVII, alpha 1, isoform CRA_b                                                                                                                                                                                                                                          |
| NCBI Official Synonym Full Names | collagen, type XVII, alpha 1                                                                                                                                                                                                                                                         |
| NCBI Official Symbol             | COL17A1                                                                                                                                                                                                                                                                              |
| NCBI Official Synonym Symbols    | BP180; BPA-2; BPAG2; LAD-1; BA16H23.2                                                                                                                                                                                                                                                |
| NCBI Protein Information         | collagen alpha-1(XVII) chain; collagen alpha-1(XVII) chain; alpha 1 type XVII collagen; type XVII collagen alpha-1; collagen XVII, alpha-1 polypeptide; 180 kDa bullous pemphigoid antigen 2; bullous pemphigoid antigen 2 (180kD); bA16H23.2 (collagen, type XVII, alpha 1 (BP180)) |
| UniProt Protein Name             | Collagen alpha-1(XVII) chain                                                                                                                                                                                                                                                         |
| UniProt Gene Name                | <b>COL17A1</b>                                                                                                                                                                                                                                                                       |
| UniProt Synonym Gene Names       | BP180; BPAG2; LAD-1; 97 kDa LAD antigen; 97-LAD; LABD97                                                                                                                                                                                                                              |
| UniProt Entry Name               | COHA1_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/col17-rat-elisa-kits/collagen-type-xvii/85210>