

## Chicken Collagen Type VIII Alpha 1 (COL8A1) ELISA Kit-Sandwich

**Cat. No.: EK1F346**

**Product Type: Animal Immunoassay Kits**

**Size: 48T;96T**

### Product Overview

BioVenic Chicken Collagen Type VIII Alpha 1 (COL8A1) ELISA Kit-Sandwich is designed for the quantitative determination of Chicken Collagen Type VIII Alpha 1 (COL8A1) in serum, plasma, tissue homogenate, cell culture supernatant, cell extract, and other biological fluids using a Sandwich ELISA method. For research use only.

### Specifications

|                    |                                                                                                        |
|--------------------|--------------------------------------------------------------------------------------------------------|
| Assay Type         | ELISA-Sandwich                                                                                         |
| Specificity        | The assay kit is specific for Chicken COL8A1.                                                          |
| Target Species     | Chicken                                                                                                |
| Species Reactivity | Chicken                                                                                                |
| Detection Range    | 0.16-10 ng/mL                                                                                          |
| Sensitivity        | 0.065 ng/mL                                                                                            |
| Reproducibility    | Intra-Assay: CV < 10%; Inter-Assay: CV < 10%                                                           |
| Assay Time         | Around 210 min                                                                                         |
| Sample Requirement | Serum, plasma, tissue homogenate, cell culture supernatant, cell extract, and other biological fluids. |

### Target Information

Collagen type VIII alpha 1 is encoded by the chicken gene *COL8A1*. This gene encodes one of the two alpha chains of collagen type VIII. The gene product is a short chain collagen and is a major component of the basement membrane of the corneal endothelium. Type VIII collagen molecules expressed by corneal and vascular endothelial cells appear to be heterotrimers composed of two genetically distinct polypeptides, alpha 1 (VIII) and alpha 2 (VIII), in a 2:1 ratio.

|                  |                                                                      |
|------------------|----------------------------------------------------------------------|
| Target/Biomarker | Chicken COL8A1                                                       |
| Target Synonym   | COL8-A1; Collagen Alpha-1(VIII)chain; Endothelial collagen; Vastatin |
| Gene ID          | <a href="#">418378</a>                                               |
| UniProt ID       | <a href="#">Q7LZR2</a>                                               |

## Shipping and Storage

This product is shipped with gel ice packs. It is recommended to store at 2-8 °C (Up to 6 months).

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The product is for research use only. Not for commercial, prophylactic, diagnostic, or therapeutic applications. Please determine the purpose of the product before purchasing. For further information and inquiry, please contact us.