

## Mouse Procollagen I C-Terminal Propeptide (PICP) ELISA Kit-Sandwich

**Cat. No.:** EK5F422

**Product Type:** Animal Immunoassay Kits

**Size:** 48T;96T

### Product Overview

BioVenic Mouse Procollagen I C-Terminal Propeptide (PICP) ELISA Kit-Sandwich is designed for the quantitative determination of Mouse PICP in serum, plasma, tissue homogenate, cell culture supernatant, cell lysate, 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 Mouse Procollagen I C-Terminal Propeptide (PICP).
Target Species	Mouse
Species Reactivity	Mouse
Detection Range	0.63-40 ng/mL
Reproducibility	Intra-Assay: CV < 10%; Inter-Assay: CV < 12%
Assay Time	Around 90 min
Sample Requirement	Serum, plasma, tissue homogenate, cell culture supernatant, cell lysate, and other biological fluids.

### Target Information

In mice, type I collagen C-terminal propeptide (PICP) primarily plays a role in collagen production and tissue repair. PICP is a C-terminal fragment that is released during the formation of type I collagen precursors, and its levels are often used to assess collagen synthesis rates. For instance, during wound healing, there is a significant rise in PICP concentration, highlighting increased collagen synthesis activity. Additionally, PICP levels are influenced by mechanical load. Research has indicated that mechanical stress can enhance collagen production and PICP release in dermal fibroblasts, suggesting that PICP is crucial in the tissue response to external mechanical pressures. Moreover, PICP is involved in the proper folding and assembly of collagen molecules.

Target/Biomarker	Mouse PICP
Target Synonym	P1CP; C-Propeptide Of Type I Procollagen; Procollagen I Carboxy Terminal Propeptide

## 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.