

**Anti-Procollagen type I C-terminal propeptide (human, PICP)****Mouse monoclonal antibody**Subclass: IgG<sub>1</sub>/κ

Clone:8

CAT. NO.

**BTE 002-08**

SPECIFICITY

BTE 002-08 is specific for native PICP from amniotic fluid.

IMMUNOGEN

PICP purified from second trimester amniotic fluid by affinity chromatography

TESTED APPLICATIONS

ELISA, IP

SPECIES REACTIVITY  
(POSITIVE)

Human

SPECIES REACTIVITY  
(NEGATIVE)

Not determined

EPI TOPE SPECIFICITY

Epitope differs from that of BTE 002-18

## PRESENTATION

Content:

Available in 200 µL and 1 mL size. 1 mg/mL +/- 15%. See Certificate of Analysis for details.

Preparation:

Protein-A purified

Form:

Liquid

Solvent:

0.01 M phosphate buffer, pH 7.4, containing 0.5 M NaCl and 15 mM sodium azide

Storage:

4-8°C without exposure to light. No precautions necessary during handling.

APPLICATION

**ELISA:** BTE 002-08 is especially well suited as catching antibody in a sandwich ELISA in combination with BTE 002-18.**IP:** BTE 002-08 can be used in Immunoprecipitation.

TARGET

Collagen type I is present in soft connective tissue and bone where it represents approximately 90% of the organic matrix. Collagen type I is produced from procollagen when two teloterminal propeptides are digested from the precursor and released into the circulation. The propeptide levels can be measured in serum as indicators of collagen production. Elevated values of these propeptides in serum are found in patients with various bone metabolism defects. Procollagen type I C-terminal propeptide (PICP) has a molecular weight of approximately 100 kDa and the normal range in serum is 100-300µg/ml.

## REFERENCES

## CONDITIONS

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