

**Anti-Procollagen type I C-terminal propeptide (human, PICP)**

**Mouse monoclonal antibody**

Subclass: IgG1/k

Clone: 8

CAT. NO. **BTE 002-08**

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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
EPITOPE SPECIFICITY	Epitope differs from that of BTE 002-18

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**PRESENTATION**

Content:	Available in 400 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.

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**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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