

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

Subclass: IgG1/k

CAT. NO.

**BTE 002-18**

Clone:18

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SPECIFICITY	BTE 002-08 is specific for native human PICP.
IMMUNOGEN	PICP purified from second-trimester amniotic fluid by affinity chromatography.
TESTED APPLICATIONS	ELISA, WB, IP
SPECIES REACTIVITY (POSITIVE)	Human
SPECIES REACTIVITY (NEGATIVE)	Not determined
EPITOPE SPECIFICITY	Epitope differs from that of BTE 002-08

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**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.

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APPLICATION	<b>ELISA:</b> BTE 002-18 is especially well suited as detecting antibody in a sandwich ELISA in combination with BTE 002-08. <b>WB:</b> BTE 002-18 can be used in Western blotting. <b>IP:</b> BTE 002-18 can be used in Immunoprecipitation.
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TARGET	Type I collagen is present in connective tissue and bone where it makes up about 90% of the organic matrix. Type I collagen is produced from type-I procollagen by the proteolytic cleavage of N- and C-telopeptides, which are released into the circulation. The propeptides can be measured in serum as markers of the production of type-I collagen. Elevated values of these propeptides are found in serum from patients with various metabolic or malignant bone diseases. Procollagen type I C-terminal propeptide (PICP) has a molecular mass of approximately 100 kDa. Its normal concentration in serum depends on age and sex.
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**REFERENCES****CONDITIONS**

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