

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

CAT. NO. BTE 002-04

### OVERVIEW

<b>Product Name</b>	Anti-Procollagen type I C-terminal propeptide (human, PICP)	<b>Conjugation</b>	Unconjugated
<b>Description</b>	Mouse monoclonal antibody	<b>Host</b>	Mouse
<b>Isotype</b>	IgG1/k	<b>Clone</b>	4
<b>Tested Applications</b>	ELISA		

### SPECIFICITY

<b>Specificity</b>	BTE 002-04 is specific for native PICP from amniotic fluid.
<b>Immunogen</b>	PICP purified from second trimester amniotic fluid by affinity chromatography
<b>Target</b>	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 telopeptides 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 100-300 µg/ml.
<b>Species Reactivity</b>	Human

**Species Reactivity** Not determined  
**NEGATIVE**

### PROPERTIES

<b>Form</b>	Liquid	<b>Unit Size</b>	0,4 mL and 1 mL
<b>Concentration</b>	1 mg/mL ±15%, See CoA for lot details		
<b>Purification</b>	Protein A or Protein G purified	<b>Purification Notes</b>	BSA free
<b>Storage buffer</b>	0.01 M phosphate buffer, pH 7.4, with 0.5 M NaCl and 15 mM sodium azide		
<b>Storage condition</b>	2-8°C without exposure to light		
<b>Safety</b>	Wear protective clothing		

### TESTED APPLICATIONS

<b>ELISA</b>	BTE 002-04 reacts with PICP in ELISA.
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### SCIENTIFIC REFERENCES

N/A

### CONDITIONS

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