

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

CAT. NO. BTE 002-04

OVERVIEW

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

SPECIFICITY

Specificity	BTE 002-04 is specific for native PICP from amniotic fluid.		
Immunogen	PICP purified from second trimester amniotic fluid by affinity chromatography	Gene ID	1277
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.		
Species Reactivity POSITIVE	Human	Species Reactivity NEGATIVE	Not determined

PROPERTIES

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

TESTED APPLICATIONS

ELISA	BTE 002-04 reacts with PICP in ELISA.
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SCIENTIFIC REFERENCES

N/A

CONDITIONS

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