

**Anti-Procollagen type IIA N-terminal propeptide (human, PIIANP)**

**Mouse monoclonal antibody**

Subclass: IgG/k

CAT. NO.

**BTE 003-02**

Clone: 2

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SPECIFICITY	BTE 003-02 is specific for human PIIANP.
IMMUNOGEN	Recombinant expressed PIIANP
TESTED APPLICATIONS	ELISA, IHC-P
SPECIES REACTIVITY (POSITIVE)	Human
SPECIES REACTIVITY (NEGATIVE)	Not determined
EPITOPE SPECIFICITY	Epitope is located at the amino-terminal part of procollagen type IIA

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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 003-02 also reacts with recombinant PIIANP coated directly onto the microtiter well.  
**IHC:** BTE 003-02 diluted in 10%FCS/TBS is well suited for immunohistochemistry on formalin-fixed, paraffin-embedded fetal tissue.

TARGET

Collagen type II is the most abundant protein of cartilage matrix. Two isoforms exist and collagen type IIA is involved in early development of cartilage in embryos. The collagen is produced from type II procollagen when two teloterminal propeptides are digested from the precursor and released into the circulation. Procollagen type II N-terminal propeptide (PIIANP) is considered a marker of cartilage synthesis and the normal concentration in serum is approximately 30ng/ml.

REFERENCES

CONDITIONS

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