CATALOGUE #: **4BT1**

PRODUCT NAME: **Monoclonal anti-beta-C-terminal telopeptide of collagen I (bCTX)**

Recombinant MAbs:
CX21, CX23, CX26, CX39, CX80
Recombinant antibody expressed in a mammalian cell line. Full-size IgG sequence derived from rabbit B cells.

MAbs *in vitro*:
CX14, CX50, CX52
Mouse monoclonal antibody produced in bioreactor. Hybridoma clone derived from hybridization of Sp2/0 myeloma cells with spleen cells of Balb/c mice.

Immunogen:
Synthetic EKAH(betaD)GGR peptide

Specificity:
Human beta-C-terminal telopeptide of collagen I

MAb	Epitope
CX14	AH(betaD)G
CX21	AH(betaD)G
CX23	AH(betaD)GG/ AH(betaD)G
CX26	AH(betaD)GG
CX39	AH(betaD)GGR-COOH*
CX50	AH(betaD)GGR
CX52	AH(betaD)GGR
CX80	AH(betaD)GGR-COOH*

* free carboxyl terminus of the peptide is crucial for recognition by corresponding antibody.

MAbs CX50 and CX52 have 5 % cross-reactivity with alpha CTx.

MAb isotypes:
IgG for CX21, CX23, CX26, CX39, CX80

IgG1 for CX14, CX50

IgG2b for CX52

Applications:
Sandwich immunoassay. Recommended pairs for bCTX detection:

Capture	Detection
CX39	CX21
CX50	CX21
CX50	CX23
CX50	CX26
CX80	CX21

Purification:
Protein A chromatography

Presentation:
PBS, pH 7.4, 0.09 % sodium azide (NaN3) for CX14, CX23, CX26, CX39, CX50, CX52, CX80

50 mM sodium citrate, 150 mM NaCl, pH 6.0, 0.09 % azide (NaN3) for CX21

Storage:
+4 °C (+2 … +8 °C allowed)

Material safety note:
This product is sold **for research or further manufacturing use only**. Standard Laboratory Practices should be followed when handling this material.

Product contains sodium azide as a preservative. Although the amount of sodium azide is very small appropriate care must be taken when handling this product.

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