

QED Bioscience Inc

ADVANCED RESEARCH TECHNOLOGIES

Human Procollagen Type I C-Peptide (PIP) Monoclonal Antibodies

ORDERING INFORMATION

Catalog No.: 42024 (clone PC5-5)
and 42043 (clone PC8-7)

Size: 100 ug IgG in 10mM PBS, pH
7.4, lyophilized.

BACKGROUND

Collagens (types I, II, III, IV, and V) are synthesized as precursor molecules called procollagens. These contain additional peptide sequences or "propeptides" at the amino- and carboxy-terminal ends. These propeptides facilitate the winding of procollagen molecules into a triple-helical conformation within the endoplasmic reticulum. The propeptides are cleaved from the collagen triple helix during its secretion, and the triple helix collagens polymerize into extracellular collagen fibrils.

SPECIFICATION SUMMARY

Antigen: Human Procollagen Type I
C-Peptide

Host Species: Mouse

Subclass: IgG1

Stabilizers: 1% BSA

Preservatives: 0.1% Sodium Azide

SPECIFICITY

These antibodies react with non-denatured human, bovine, canine, and equine Procollagen Type I C-peptide. They do not react with rat or rabbit Procollagen Type 1 C-peptide.

APPLICATIONS

ELISA: 1:10,000 dilution with solid phase antigen. For sandwich ELISA, use 42043 on the solid phase and labeled 42024 for detection of binding.

Western Blot: 10 ug/ml under non-reducing and non-heating conditions.

Immunohistochemistry: 10 ug/ml on cultured cells, frozen and paraffin-embedded tissue sections.

DILUTION INSTRUCTIONS

Reconstitute in distilled water to the final desired concentration.

STORAGE AND STABILITY

Lyophilized antibody is stable at 4°C for 2 years. Store the reconstituted solution in aliquots at -20°C for one year or at 4°C for 6 months. Avoid repeated freeze-thaw cycles.

For in vitro investigational use only. Not for use in therapeutic or diagnostic procedures.