



Product Information Sheet

Monoclonal Anti-Collagen, Type III - conjugated to Magnetic Beads

Catalogue No. MA1029-M

Lot No. 08A12

Clone: Col-29

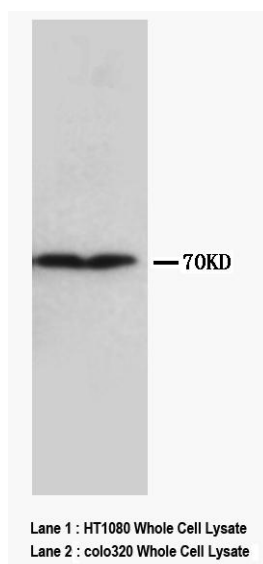
Ig type: mouse IgG1

Size: 200µl

Specificity

Human, mouse, rat.

No cross reactivity with other proteins.



Immunogen

Human collagen type III

Recommended application

Immunoprecipitation(IP)

Formulation

Each vial contains 1mg/ml Magnetic Bead in PBS, pH 7.2, 0.05mg NaN_3 .

Storage

Store at 4°C for frequent use.

Description

Purification

Purified by the goat anti-mouse IgG affinity chromatography.

This Antagene antibody is immobilized by the covalent reaction of hydrazinonicotinamide-modified antibody with formylbenzamide-modified beads. It is useful for immunoprecipitation.

BACKGROUND

Collagen type III, also known as COL3A1, is assigned to chromosome 2. Ultrastructural analysis of tissues from mutant mice revealed that type III collagen is essential for normal collagen I fibrillogenesis in the cardiovascular system and other organs. Type III collagen is crucial for collagen I fibrillogenesis and for normal cardiovascular development

REFERENCE

- 1 Cutting, G. R.; McGinniss, M. J.; Kasch, I. M.; Tsipouras, P.; Antonarakis, S. E. : Physical mapping by PFGE localizes the COL3A1 and COL5A2 genes to a 35 kb region on chromosome 2. (Abstract) Clin. Res. 38: 266A, 1990.
- 2 Cutting, G. R.; McGinniss, M. J.; Kasch, L. M.; Tsipouras, P.; Antonarakis, S. E. : Physical mapping by PFGE localizes the COL3A1 and COL5A2 genes to a 35 kb region on human chromosome 2. Genomics 8: 407-410, 1990.
- 3 Emanuel, B. S.; Cannizzaro, L. A.; Seyer, J. M.; Myers, J. C. : Human alpha-1(III) and alpha-2(V) procollagen genes are located on the long arm of chromosome 2. Proc. Nat. Acad. Sci. 82: 3385-3389, 1985.
- 4 Liu, X.; Wu, H.; Byrne, M.; Krane, S.; Jaenisch, R. : Type III collagen is crucial for collagen I fibrillogenesis and for normal cardiovascular development. Proc. Nat. Acad. Sci. 94: 1852-1856, 1997.

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