



Product Information Sheet

Monoclonal Anti-Elastin (Sephacrose Bead Conjugate)

Catalogue No. MA1038-S

Immunogen

Bovine α -elastin

Lot No. 08A12

Purification

Purified by the goat anti-mouse IgG affinity chromatography.

Clone: IL-4

Ig type: mouse IgG1

Formulation

50% slurry in PBS pH 7.2 with 0.01mg NaN₃ preservative.

Size: 200 μ l

Storage

Store at 4°C for frequent use.

Specificity

Human, dog, guinea pig.

No cross reactivity with other proteins.

Description:

This Antagene antibody is immobilized via covalent binding of primary amino groups to N-hydroxysuccinimide (NHS)-activated sephacrose beads. It is useful for immunoprecipitation assay

Recommended application

Immunohistochemistry(P)

BACKGROUND

Elastin is a major structural protein of tissues such as aorta, which must expand rapidly and recover completely. Elastin chains are cross-linked together into an extensible 3D network. It is a molecular determinant of late arterial morphogenesis, stabilizing arterial structure by regulating proliferation and organization of vascular smooth muscle. Defects in elastin are a cause of autosomal dominant cutis laxa.

REFERENCE

1. Rosenbloom, J. : Personal Communication. Philadelphia, Pa., 4/1984
2. Urban, Z.; Riaz, S.; Seidl, T. L.; Katahira, J.; Smoot, L. B.; Chitayat, D.; Boyd, C. D.; Hinek, A. : Connection between elastin haploinsufficiency and increased cell proliferation in patients with supravalvular aortic stenosis and Williams-Beuren syndrome. *Am. J. Hum. Genet.* 71: 30-44, 2002.
3. Uitto, J.; Christiano, A. M.; Kahari, V.-M.; Bashir, M. M.; Rosenbloom, J. : Molecular biology and pathology of human elastin. *Biochem. Soc. Trans.* 19: 824-829, 1991.

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