



Product Information Sheet

Monoclonal Anti-Troponin T(Magnetic Bead Conjugate)

Catalogue No. MA1098-M

Immunogen

Troponin T from rabbit skeletal muscle.

Lot No. 08A12

Purification

Purified by the goat anti-mouse IgG affinity chromatography.

Clone: TT-98

Formulation

Each vial contains 1mg/ml Magnetic Bead in PBS, pH 7.2, 0.05mg NaN₃.

Ig type: mouse IgG1

Size: 200µl

Storage

Store at 4°C for frequent use.

Specificity

Human, mouse, rat, rabbit, chicken.

No cross reactivity with other proteins.

Description

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

Recommended application

Immunoprecipitation(IP)

BACKGROUND

The troponin complex is located on the thin filament of striated muscle and is composed of 3 component polypeptides: troponin 1, troponin T and troponin C. Three troponin T genes have been described on the basis of molecular cloning in humans and other vertebrates. These are expressed in a tissue-specific manner and encode the troponin T isoforms expressed in slow skeletal muscle (TNNT1), cardiac muscle(TNNT2),and fast skeletal muscle (TNNT3). TNNT1, TNNT2, TNNT3 are located on 19q13.4, 1q32, 11p15.5 respectively.

REFERENCE

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2. Durand, J.-B.; Bachinski, L. L.; Bieling, L. C.; Czernuszewicz, G. Z.; Abchee, A. B.; Yu, Q. T.; Tapscott, T.; Hill, R.; Ifegwu, J.; Marian, A. J.; Brugada, R.; Daiger, S.; Gregoritch, J. M.; Anderson, J. L.; Quinones, M.; Towbin, J. A.; Roberts, R. : Localization of a gene responsible for familial dilated cardiomyopathy to chromosome 1q32. *Circulation* 92: 3387-3389, 1995.
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