Product Informatiion Sheet

Monoclonal Anti-Troponin T (Sepharose Bead Conjugate)

Catalogue No. MA1098-S

Lot No. 08A12

Clone: TT-98

Ig type: mouse IgG1

Size: 200µl

Specificity

Human, mouse, rat, rabbit, chicken.

No cross reactivity with other proteins.

Recommended application

Immunoprecipitation(IP)

Immunogen

Troponin T from rabbit skeletal muscle.

Purification

Purified by the goat anti-mouse IgG affinity chromatography.

Formulation

50% slurry in PBS pH 7.2 with 0.01mg NaN3a3 preservative.

Storage

Store at 4˚C for frequent use.

Description:

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

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 1. Samson, F.; de Jong, P. J.; Trask, B. J.; Koza-Taylor, P.; Speer, M. C.; Potter, T.; Roses, A. D.; Gilbert, J. R. : Assignment of the human slow skeletal troponin T gene to 19q13.4 using somatic cell hybrids and fluorescence in situ hybridization analysis. *Genomics* 13: 1374-1375, 1992. 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. 3. Mao, C.; Baumgartner, A. P.; Jha, P. K.; Huang, T. H.-M.; Sarkar, S. : Assignment of the human fast skeletal troponin T gene (TNNT3) to chromosome 11p15.5: evidence for the presence of 11pter in a monochromosome 9 somatic cell hybrid in NIGMS mapping panel 2. *Genomics* 31: 385-388, 1996.

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