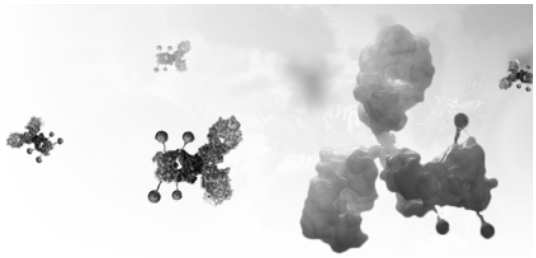

Magic™ Mouse anti-Human native cardiac troponin complex Monoclonal antibody, clone Udpn9 (DMAB-L21009)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	Hybridoma clones have been derived from hybridization of Sp2/0 myeloma cells with spleen cells of Balb/c mice immunized with human native troponin complex, isolated in mild conditions from human cardiac tissue.
Specificity	Native cardiac troponin complex. No cross-reaction with individual components of troponin complex.
Isotype	IgG1
Source/Host	Mouse
Species Reactivity	Human
Clone	Udpn9
Purification	Chromatography on protein A Sepharose
Conjugate	Unconjugated
Applications	Immunological and biochemical studies. Human cardiac Tn complex immunodetection in direct ELISA. DMABs can be used in high sensitivity cTnI sandwich immunoassay in pairs with antibodies specific to TnC (Cat.# DMAB-L21010).
Buffer	PBS, pH 7.4, 0.1 % sodium azide (NaN?)
Preservative	0.1% Sodium Azide
Storage	4°C

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BACKGROUND

Introduction	Troponincomplex is a heteromeric protein playing an important role in the regulationof skeletal and cardiac muscle contraction. Troponin complex consists ofthree different subunits – troponin T (TnT), troponin I (TnI) and troponin C(TnC). Each subunit is responsible for a part of troponin complex function.TnT is a tropomyosin-binding subunit which regulates the interaction oftroponin complex with thin filaments; TnI inhibits ATP-ase activity ofacto-myosin; TnC is a Ca2+ - binding subunit, playing the main role in Ca2+dependent regulation of muscle contraction TnT and TnI in cardiac muscle arepresented by forms different from those in skeletal muscles.
Keywords	Cardiac troponin I; cTnC; cTnI; Troponin I, cardiac muscle; Cardiac troponin C; CMH7; TN C; TNC; TNNC; Troponin C slow; Troponin C slow skeletal and cardiac muscles; Troponin C type 1 (slow); Troponin C1 slow; Troponin I type 3 (cardiac)

GENE INFORMATION

Entrez Gene ID	7139
UniProt ID	P45379

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