CATALOGUE #: **4T19 / 4T19cc**

PRODUCT NAME: **Monoclonal mouse anti-cardiac Troponin T (cTnT)**

MAbs *in vitro* (Cat.# 4T19cc):
300cc, 329cc, 406cc, 1C11cc, 1F11cc
Mouse monoclonal antibody produced in bioreactor. Hybridoma clone derived from hybridization of Sp2/0 myeloma cells with spleen cells of Balb/c mice.

MAbs *in vivo* (Cat.# 4T19):
9G6, 7F4, 7G7, 2F3, 1A11, 7E7
Mouse monoclonal antibody produced in ascites. Hybridoma clone derived from hybridization of Sp2/0 myeloma cells with spleen cells of Balb/c mice.

Immunogens:
Synthetic human TnT peptide a.a.r. 119-138 conjugated with carrier protein for 300cc and 329cc

Synthetic human TnT peptide a.a.r. 106-183 conjugated with carrier protein for 406cc

Free human cTnT for 2F3, 7G7, 1A11, 9G6, 1C11cc, 1F11cc, 7F4

Human Tn complex for 7E7.

Specificity:
406cc, 1C11cc, 1F11cc, 2F3, 7F4, 7G7, 1A11 and 9G6 have no cross-reaction with skeletal TnT. Cross-reactivity of 300cc and 329cc with skeletal TnT is less than 1%. Cross-reactivity of 7E7 with cardiac TnI is 5 %.

Epitope specificity:

MAb	Epitope (a.a.r.)
9G6	2 – 61
7F4, 7G7	67 – 86
300cc, 329cc	119 – 138
406cc	132 – 151
1F11cc, 2F3, 1A11	145 – 164
1C11cc	171 – 190
7E7	223 – 242

MAb isotypes:
IgG1 for 300cc, 329cc, 1C11cc, 9G6, 7G7, 7E7

IgG2a for 406cc

IgG2b for 1F11cc 2F3, 1A11, 7F4,

Applications:
TnT immunoassay. Recommended pairs for sandwich immunoassay:

Capture	Detection
406cc	300cc
329cc	406cc

1C11cc and 1F11cc are recommended for Western blotting.

Purification:
Protein A chromatography

Presentation:
PBS, pH 7.4, 0.09 % sodium azide (NaN_3)

Storage:
+4 °C (+2 … +8 °C allowed)

Material safety note:
This product is sold **for research or further manufacturing use only**. Standard Laboratory Practices should be followed when handling this material.

Product contains sodium azide as a preservative. Although the amount of sodium azide is very small appropriate care must be taken when handling this product.

Hytest
SCIENTIFIC EXCELLENCE FOR IVD
HYTEST LTD
Intelligate 1, 6th floor, Joukahaisenkatu 6 • FI-20520 Turku, FINLAND
Tel. +358 2 512 0900 • E-mail: hytest@hytest.fi • HYTEST.FI