

CATALOGUE #: 4T19 / 4T19cc

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

MAbs *in vitro*
(Cat.# 4T19cc): 300cc, 329cc, 406cc, 1C11cc, 1F11cc

MAbs *in vivo*
(Cat.# 4T19): 9G6, 7F4, 7G7, 2F3, 1A11, 7E7

Hybridoma clones have been derived from hybridization of Sp2/0 myeloma cells with spleen cells of Balb/c mice immunized with synthetic human TnT peptide a.a.r. 119-138 conjugated with carrier protein (300cc and 329cc), or synthetic human TnT peptide a.a.r. 106-183 conjugated with carrier protein (406cc), free human cTnT (2F3, 7G7, 1A11, 9G6, 1C11cc, 1F11cc, 7F4) or human Tn complex (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 (NaN₃)

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.