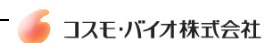


CATALOGUE #: 4T21

PRODUCT NAME: Monoclonal mouse anti-cardiac troponin I (cTnI)



MAbs: 8E10, C5, 4C2, 19C7, 16A11, 10B11, 3C7, 23C6, P4-14G5, M18, M155, M46, MF4, 16A12, P4-9F6, 228, 625, 458, 560, 267, 596

New MAbs: 84, 415, 581, 441

Hybridoma clones have been derived from hybridization of Sp2/0 myeloma cells with spleen cells of Balb/c mice immunized with free human cTnI, native human cTn complex, or human cTnI peptides.

Specificity:

Epitope specificity:

MAb	Epitope (a.a.r.)
P4-14G5	1 – 23
P4-9F6	1 – 23
M18	13 – 29
23C6	15 – 25
10B11	16 – 20
4C2	23 – 29
3C7	25 – 40
228	26 – 35
M155	27 – 43
19C7	41 – 49
560	83 – 93
16A12	85 – 92
8E10	87 – 91
16A11	87 – 91
84	117 – 126
415	122 – 139
M46	130 – 145
581	143 – 152
441	148 – 158
625	169 – 178
458	169 – 178
596	169 – 178
267	169 – 184
C5	186 – 192
MF4	190 – 196

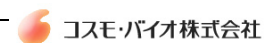
MAbs with other epitope specificity are available on request.

All MAbs (except M46, 267, 596 and C5) have no cross-reaction with skeletal muscle TnI. Cross-reactivity with skeletal TnI is less than 10 % for MAbs M46, 267 and 596, and more than 50 % for MAb C5.

Additional comprehensive information about cross-reactivity with different forms of antigens (phosphorylated, complexed etc.) and antigens from different species (rat, mouse, canine, bovine and porcine) is available. Please inquire also HyTest **Markers of Cardiovascular Diseases** catalogue.

CATALOGUE #: 4T21

PRODUCT NAME: Monoclonal mouse anti-cardiac troponin I (cTnI)



MAb isotypes: IgG for MAb 581

IgG1 for MAbs 8E10, 16A11, 3C7, 10B11, P4-14G5, M18, M155, M46, MF4, P4-9F6, 228, 625, 560, 596, 16A12, 441, 415 and 84

IgG2a for MAbs 4C2, 23C6 and 267

IgG2b for MAbs 19C7 and C5

IgM for MAb 458

Applications: cTnI immunoassay; cTnI immunoprecipitation, immunohistochemistry, immunoaffinity purification.

All MAbs work in Western blotting. For better sensitivity in Western blotting we recommend using MAbs 19C7, 16A11 and MF4.

Recommended pairs for quantitative sandwich immunoassay (coating – conjugate):
625 – 19C7, 560 – 458. **Best pairs: 19C7 – 16A11, 560 – 19C7**

Antibody combinations for quantitative sandwich immunoassay:

19C7 + M18 (mixture for coating) – MF4 + 16A11 (mixture for detection)

M18 + 560 (mixture for coating) – MF4 + 19C7 (mixture for detection)

228 + 560 (mixture for coating) – 19C7 + 458 (mixture for detection)

M18 + 560 (mixture for coating) – 19C7 + 267 (mixture for detection)

MF4 + 560 (mixture for coating) – 19C7 + 267 (mixture for detection)

19C7 + MF4 (mixture for coating) – 7B9 (anti-TnC MAb; Cat. # 4T27)

Purification: Chromatography on protein A Sepharose

Presentation: PBS, pH 7.4, 0.1 % sodium azide (NaN₃)

Storage: + 4 °C

Material safety note: This product is sold as an antibody preparation **for research use only**. Standard Laboratory Practices should be followed when handling this material.

Contains sodium azide (0.1 %) as preservative. Although the amount of sodium azide is very small appropriate care must be taken when handling this product.