



# DataSheet

**CATALOGUE # :** RC4T21

**PRODUCT NAME:** Recombinant anti-cardiac troponin I (cTnI)

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**MAbs RecChim16A11, RecChim19C7, RC560**

Recombinant chimeric antibody expressed in a mammalian cell line. Composed of original wild type variable domains of mouse derived MAb and human IgG1 constant domains.

**MAbs Y501, Y502, Y503, Y504, Y505**

Recombinant chimeric antibody expressed in a mammalian cell line. Composed of original wild type variable domains of rat derived MAb and human IgG1 constant domains.

**MAbs Y601, Y603**

Recombinant chimeric antibody expressed in a mammalian cell line. Composed of original wild type variable domains of porcine derived MAb and human IgG1 constant domains.

**MAbs Y302, Y303, Y306, Y309, RecR1, RecR23, RecR33, RecR85**

Recombinant monoclonal antibody expressed in a mammalian cell line. Full-size IgG sequence derived from rabbit B cells.

**Immunogen:**

Free human cTnI for RecChim16A11, RecChim19C7

Free human cTnI, native human cTn complex and human cTnI peptides for Y302, Y303, Y306, Y309, Y501, Y502, Y503, Y504, Y505, Y601, Y603

Human cTnI, native human cTn complex and cTnI peptides for RecR1, RecR23, RecR33, RecR85

Native human cTn complex for RC560

**Specificity:**

Human cardiac troponin I

Epitope specificity:

MAb	Epitope (a.a.r.)
Y306, Y503	22 – 40
RecR1, RecR23, RecR33, RecR85	24 – 40
Y303	28 – 34
Y309	39 – 54
RecChim19C7	41 – 49
Y302	83 – 100
RC560	83 – 93
RecChim16A11	86 – 90
Y501, Y504	161 – 178
Y502, Y505	174 – 191
Y601, Y603	182 – 192

MAbs are not cross-reacting with skeletal muscle TnI.

**Isotypes:**

**IgG** for Y302, Y303, Y306, Y309, RecR1, RecR23, RecR33, RecR85

**IgG1** for Y501, Y502, Y503, Y504, Y505, Y601, Y603, RecChim16A11, RecChim19C7, RC560

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**Applications:** Human cardiac troponin I sandwich immunoassays. Recommended pairs for different platforms:

Capture	Detection	Platform
Y302 + 20C6cc	RecR85 + 7B9cc	Lateral Flow (LF)
RecR33 + 560cc	Y505 + RecChim20C6	Chemiluminescent immunoassay (CLIA)
RecR85 + 560cc	7B9cc + RecChim20C6	
19C7cc	RecChim16A11	Dissociation-enhanced lanthanide fluorescence immunoassay (DELFI <sup>®</sup> )
RecChim19C7	RecChim16A11	
4C2cc	RecChim19C7	
4C2cc	RecChim16A11	
625	RecChim19C7	

MAb 20C6cc: Cat.# 4TC2  
MAb RecChim20C6: Cat.# RC4T21  
MAb 7B9cc: Cat.# 4T27cc  
MAbs 560cc, 19C7cc, 4C2cc: Cat.# 4T21cc  
MAb 625: Cat.# 4T21

**Purification:** Protein A chromatography for Y302, Y303, Y306, Y309, Y501, Y502, Y503, Y504, Y505, Y601, Y603, RecChim16A11, RecChim19C7, RecR1, RC560

Protein A chromatography and gel-filtration for RecR23, RecR33, RecR85

**Presentation:** PBS, pH 7.4, 0.09 % sodium azide (NaN<sub>3</sub>)

**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.

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