



# 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 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, native human cTn complex, or human cTnI peptides

**Specificity:** Human cardiac troponin I

Epitope specificity:

MAb	Epitope (a.a.r.)
RecR1, RecR23, RecR33, RecR85	24 – 40
RecChim19C7	41 – 49
RC560	83 – 93
RecChim16A11	86 – 90

RecChim16A11, RecChim19C7, RecR1, RecR23, RecR33 and RecR85 are not cross-reacting with skeletal muscle TnI.

**Isotypes:** **IgG** for RecR1, RecR23, RecR33, RecR85

**IgG1** for RecChim16A11, RecChim19C7, RC560

**Applications:** Human cardiac troponin I sandwich immunoassays

Recommended pairs using RecChim19C7 and RecChim16A11:

19C7cc – RecChim16A11

RecChim19C7 – RecChim16A11

4C2cc – RecChim19C7

4C2cc – RecChim16A11

625 – RecChim19C7

(19C7cc and 4C2cc under Cat.# 4T21cc, 625 under Cat.# 4T21.)

Best pairs for RecR1, RecR23, RecR33, RecR85 with anti-cTnI MAb MF4cc (Cat.# 4T21cc) and anti-cTn complex MAb 20C6cc (Cat.# 4TC2).

**Purification:** Protein A chromatography for 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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