

## Product Datasheet

### Anti-h cTnI RC9707 SPTN-5 140020

<b>Product Name</b>	Anti-h cTnI RC9707 SPTN-5
<b>Catalog Number</b>	140020
<b>Description</b>	Recombinant chimeric antibody containing variable region from mouse IgG and constant region from human IgG1, cultured in vitro under conditions free from animal-derived components.
<b>Tested Applications</b>	FIA
<b>Alternative Names</b>	troponin
<b>Brand</b>	Medix Biochemica
<b>Form/Appearance</b>	Liquid, may turn slightly opaque during storage
<b>Concentration</b>	5.0 mg/ml (+/- 10 %)
<b>Storage</b>	+2-8°C
<b>Isotype</b>	human IgG1
<b>Clonality</b>	Monoclonal
<b>Epitope</b>	In the C-terminal part of the cTnI molecule (residues 190-195)
<b>Purity</b>	≥ 95 %
<b>Affinity constant</b>	$K_A = 6.1 \times 10^9$ 1/M; $K_D = 7.1 \times 10^{-10}$ M (= 0.71 nM)
<b>Associated Products</b>	Recombinant cTnI antigen, Medix Biochemica 610102, native cTnI antigen, Medix Biochemica 550-11, native cardiac Troponin Complex (cTn ITC) antigen, Medix Biochemica 550-10.
<b>Buffer</b>	50 mM Na-citrate, pH 6.0, 0.9 % NaCl, 0.095 % NaN <sub>3</sub> as a preservative
<b>IEF Profile</b>	7.5-8.7
<b>Cross Reactivity</b>	Skeletal troponin I (sTnI) 14 % Does not recognize cardiac troponin T (cTnT), cardiac troponin C (cTnC), or skeletal troponin T (sTnT)
<b>Specificity</b>	Antibody recognizes human cardiac troponin I (cTnI)
<b>Matched Pairs</b>	RC9750 is recommended as a very sensitive capture. For increased sensitivity, 2+1 or 2+2 antibody approach is recommended, for example capture: 9701/RC9701 & 9705, detection 9703 & 9707/RC9707.
<b>Shelf Life</b>	Unspecified