

Product Datasheet

Anti-h cTnI RC9707 SPTN-5 140020

Product Name	Anti-h cTnI RC9707 SPTN-5
Catalog Number	140020
Description	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.
Species/Host	Mouse
Tested Applications	FIA
Alternative Names	Troponin
Brand	Medix Biochemica
Form/Appearance	Liquid, may turn slightly opaque during storage
Concentration	5.0 mg/ml (+/- 10 %)
Storage	+2-8 °C
Isotype	human IgG1
Clonality	Monoclonal
Epitope	In the C-terminal part of the cTnI molecule (residues 190-195)
Purity	≥ 95 %
Affinity constant	$K_A = 6.1 \times 10^9$ 1/M; $K_D = 7.1 \times 10^{-10}$ M (= 0.71 nM)
Buffer	50 mM Na-citrate, pH 6.0, 0.9 % NaCl, 0.095 % NaN ₃ as a preservative
IEF Profile	7.5-8.7
Cross Reactivity	Skeletal troponin I (sTnI) 14 % Does not recognize cardiac troponin T (cTnT), cardiac troponin C (cTnC), or skeletal troponin T (sTnT)
Specificity	Antibody recognizes human cardiac troponin I (cTnI)
Matched Pairs	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.
Shelf Life	Unspecified