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Product Datasheet

Anti-h cTnI RC9750 SPTN-5 700050

Product Name	Anti-h cTnI RC9750 SPTN-5
Catalog Number	700050
Description	Recombinant chimeric antibody containing variable region from chicken IgY and constant region from human IgG1, cultured in vitro.
Tested Applications	FIA, LF
Alternative Names	Troponin
Brand	Medix Biochemica
Form/Appear	Liquid, may turn slightly opaque during storage
Concentration	5.0 mg/ml (+/- 10 %)
Storage	+2–8 °C
Isotype	human IgG1
Clonality	Monoclonal
Epitope	Conformational epitope aa 39-52 of cTnI
Purity	≥ 95 %
Affinity constant	KA = 3.1 x 10^{8} 1/M; KD = 6.5 x 10^{-9} M(= 6.5 nM)
Buffer	50 mM Na-citrate, pH 6.0, 0.9 % NaCl, 0.095 % NaN_3 as a preservative
Cross Reactivity	Does not cross-react with skeletal troponin I (sTnI) or troponin C (TnC)
Specificity	Antibody recognizes human cardiac troponin I (cTnI)
Matched Pairs	RC9750 is recommended as a very sensitive capture. The antibody pair (Capture-Detection) RC9750-9701 is especially recommended for both FIA and LF. For increased sensitivity, 2+1 or 2+2 antibody approach is recommended, for example capture: 9701/RC9701 & 9705, detection 9703 & 9707/RC9707.
Shelf Life	36 months
References	Kivi et al. HybriFree: a robust and rapid method for the development of monoclonal antibodies from different host species. BMC Biotechnol. 216 Jan 8; 16:2.