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# Product Datasheet

## Anti-h cTnI RC9701 SPTN-5 140000

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|---|---|
| **Product Name** | Anti-h cTnI RC9701 SPTN-5 |
| **Catalog Number** | 140000 |
| **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/Appear** | 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 stable part of the cTnI molecule (residues 85-95) |
| **Purity** | ≥ 95 % |
| **Affinity constant** | N/D |
| **Buffer** | 50 mM Na-citrate, pH 6.0, 0.9 % NaCl, 0.095 % $NaN_3$ as a preservative |
| **IEF Profile** | 7.5–8.8 |
| **Cross Reactivity** | Does not recognize skeletal troponin I (sTnI) |
| **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 |